Tabule alfonsii cum canonibus [illegible]
Compositum super theorica planetarum [illegible]
Textus theorice planetarum [illegible]

Tabule Alfonsii cum Canonibus
Compositum super Theorica Planetarum [illegible]
Erfordii
Textus Theorice Planetarum

459

N. Inv. 459

Dat p mgrm mathia de Sanspow p libraria domus Cartusie

Palea

Tabule alphonsi
Theorice planetarum
cum canone arnoldi Erfordensis

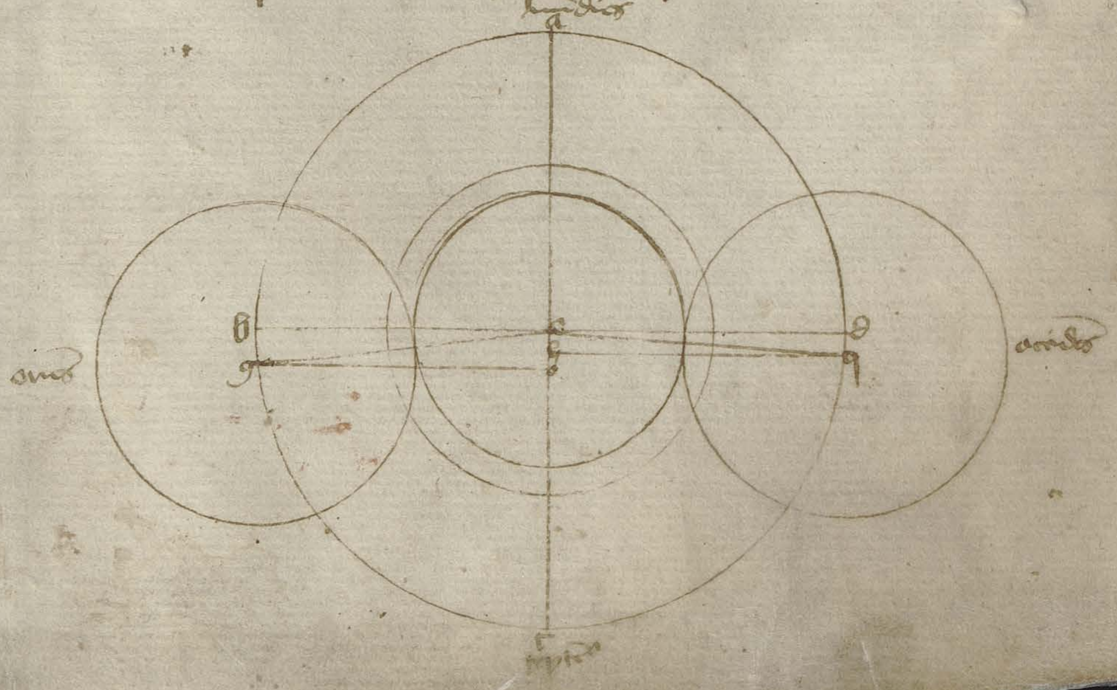
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et nigra cum pallore [illegible] usque ad 70 et citrina cum albedine. Et [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] et citrina cum albedine [illegible]
[illegible]
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3	[illegible] rubedine
4	[illegible]
5	[illegible]
6	[illegible] rubedine
7	[illegible]
8	[illegible]
9	[illegible] glauca
10	[illegible] flava
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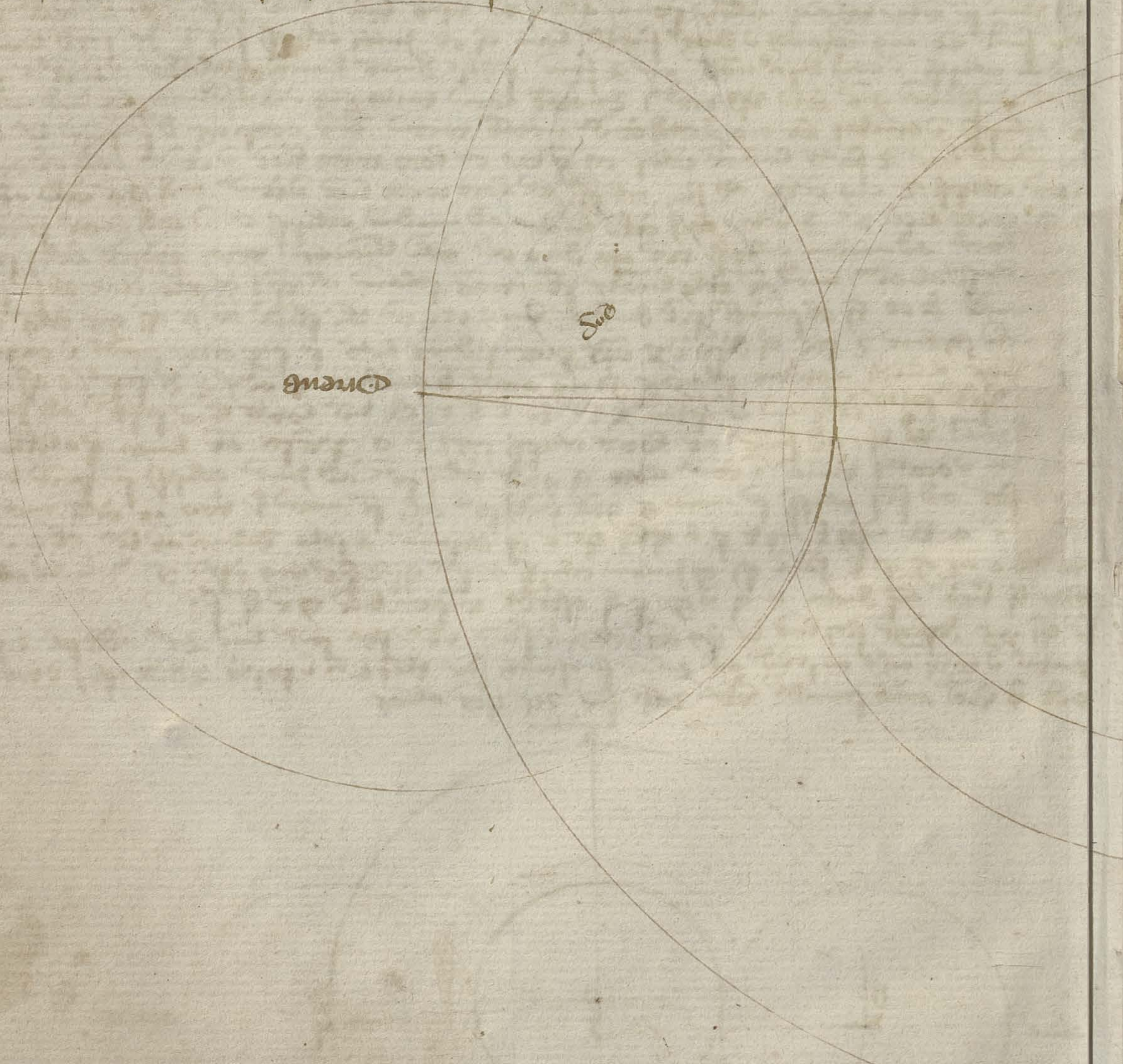
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20	nigra [illegible]
30	nigra et rubea
40	nigra et citrina
50	[illegible]
60	[illegible]
90	[illegible]

[illegible]

Si [illegible] eclipsis [illegible]
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[illegible]
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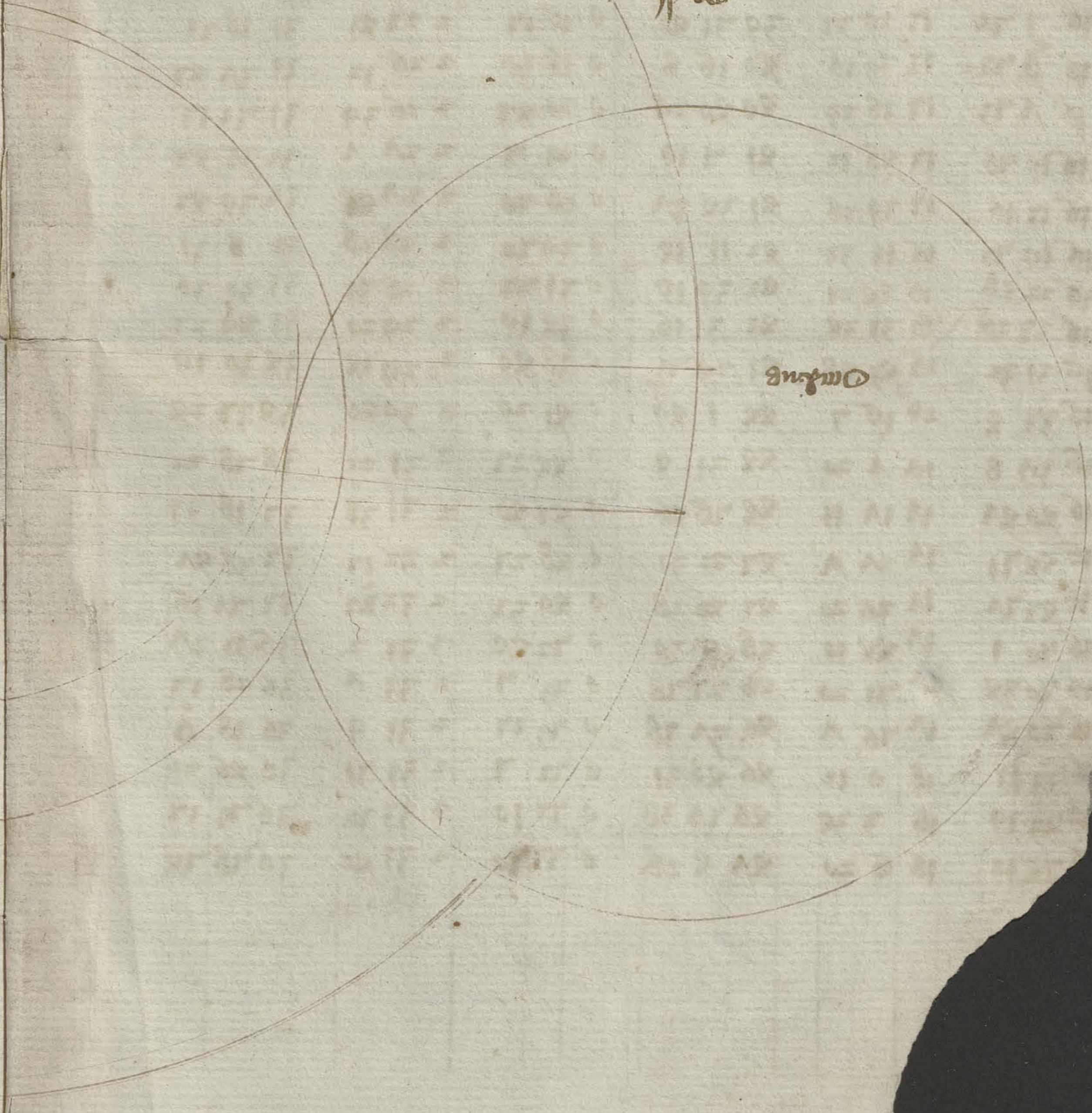


Si vis scire quantum [illegible] [illegible] [illegible] [illegible] per diametrum solis [illegible] in luna [illegible] [illegible] [illegible]
[illegible] [illegible] sunt [illegible] eclipsis solis [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] 15 et eclipsis [illegible] [illegible] [illegible] [illegible] sunt [illegible] [illegible] [illegible] 30 [illegible] [illegible] [illegible] sunt
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] de luna [illegible] [illegible] [illegible] et [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] in luna [illegible] [illegible] eclipsis [illegible] [illegible] eclipsis [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] ad [illegible] [illegible] et eclipsis [illegible] de luna [illegible] [illegible] [illegible] de luna [illegible] [illegible]
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et eclipsis [illegible] [illegible] [illegible] [illegible] luna [illegible] [illegible] [illegible] eclipsis [illegible] [illegible] sunt [illegible] [illegible]
eclipsis [illegible] [illegible] vel [illegible] [illegible] eclipsis [illegible] [illegible] luna [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] sunt [illegible] [illegible] luna [illegible] eclipsis [illegible] luna
et [illegible] luna [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] et eclipsis [illegible] [illegible] [illegible] [illegible] ad [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] luna [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] sunt [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] sunt [illegible] [illegible] luna [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] sunt [illegible] sunt eclipsis [illegible]
[illegible] vel [illegible] [illegible] eclipsis [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]



[illegible] ... 2 21 19 5 [illegible]

Vero motu sol et lune [illegible] hora [illegible] sol et lune [illegible] ... quere et [illegible] tabula [illegible]
arcu sol [illegible] hec tabula [illegible] et [illegible] diversitatis [illegible] ...
[illegible] hor. Et [illegible] diversitatis [illegible] ... motu [illegible] ... sol
[illegible] ... et motu sol ... sol. Et
[illegible] ... vero ... sol ... ad
[illegible] auge tabula [illegible] ... [illegible]
[illegible] sol si fuerit [illegible] ... sol [illegible]
[illegible] hora [illegible] ... [illegible]
[illegible] in auge [illegible] ... [illegible]
[illegible] Secundum [illegible] sol [illegible] ... linee [illegible]
[illegible] arcu [illegible] ... sol
[illegible] ... sol [illegible]
[illegible] ... [illegible]
[illegible] ... [illegible]
[illegible] ... [illegible]
[illegible] ... [illegible]
[illegible] ... 1332
[illegible]



Linee num		Sedt solis			Sedt lune			Sedt umbre			Variacio umbre			Motus sol			Motus lune		
g	g	m	2	3	m	2	3	m	2	3	m	2	3	m	2	3	m	2	3
0	360	15	40	30	14	30	5	37	42	13	0	0	0	2	22	30	29	37	13
6	354	15	40	48	14	31	7	37	44	54	0	0	15	2	22	33	29	39	19
12	348	15	41	3	14	32	29	37	48	27	0		25	2	22	35	29	42	6
18	342	15	41	23	14	34	32	37	53	47	0		40	2	22	38	29	46	17
24	336	15	43	15	14	37	16	38	0	54	0	2	5	2	22	55	29	51	51
30	330	15	45	27	14	41	1	38	10	39	0	3	45	2	23	15	29	59	31
36	324	15	47	52	14	45	27	38	22	10	0	5	35	2	23	37	30	8	34
42	318	15	48	37	14	50	54	38	36	27	0	6	10	2	23	44	30	19	43
48	312	15	51	10	14	57	2	38	52	17	0	8	15	2	24	7	30	32	15
54	306	15	54	8	15	4	12	39	10	55	0	10	20	2	24	34	30	46	53
60	300	15	57	53	15	12	3	39	31	20	0	13	10	2	25	8	31	2	55
66	294	16	1	57	15	19	53	39	51	42	0	16	15	2	25	43	31	18	55
72	288	16	4	55	15	29	17	40	16	8	0	18	30	2	26	12	31	37	45
78	282	16	7	53	15	38	39	40	40	29	0	20	45	2	26	39	31	57	15
84	276	16	10	58	15	48	12	41	5	19	0	23	5	2	27	7	32	16	45
90	270	16	15	16	15	59	28	41	34	37	0	26	20	2	27	46	32	39	45
96	264	16	19	53	16	13	33	42	11	14	0	29	50	2	28	28	33	8	31
102	258	16	22	38	16	24	21	42	39	19	0	31	55	2	28	53	33	30	36
108	252	16	25	36	16	33	34	43	3	16	0	34	10	2	29	20	33	49	25
114	246	16	31	32	16	43	48	43	29	53	0	38	40	2	29	14	34	10	19
120	240	16	35	4	16	16	5	44	1	49	0	41	20	2	30	46	34	35	24
126	234	16	39	8	17	7	20	44	31	4	0	44	25	2	31	23	34	58	23
132	228	16	40	47	17	17	13	44	56	46	0	45	40	2	31	38	35	18	35
138	222	16	44	51	17	27	7	45	22	30	0	48	25	2	32	15	35	38	47
…44	216	16	45	57	17	36	20	45	46	28	0	49	35	2	32	25	35	57	36
[illegible]	…210	16	50	1	17	44	10	46	6	50	0	52	40	2	33	2	36	13	37
[illegible]	…204	16	50	34	17	51	20	46	25	58	0	53	5	2	33	7	36	28	15
[illegible]	…8	16	50	47	17	56	7	46	37	58	0	53	15	2	33	9	36	38	0
[illegible]	[illegible]	…6	53	13	18	0	12	46	48	31	0	55	5	2	33	31	36	46	22
[illegible]	[illegible]	…6	53	19	18	3	34	46	57	16	0	55	10	2	33	32	36	53	15
[illegible]	[illegible]	…	54	12	18	6	20	47	4	28	0	55	50	2	33	40	36	58	54

In nomine domini amen
[illegible]

Circulus obliquus qui signifer nuncupatur dividitur in sex signa phisica quorum quodlibet habet 60 gradus, et quodlibet signum phisicum valet duo signa communia quorum quodlibet habet 30 gradus. Gradus autem communis dividitur in 60 minuta, quodlibet vero minutum in 60 secunda, et quodlibet secundum in 60 tertia, et procede ultra quo placet. Similiter et in tempore quo annus dividitur in 365 dies [illegible] et hii vocantur prima in astronomia quorum 60 faciunt unum integrum, 60 autem secunda faciunt unum primum, 60 vero tertia unum secundum, et sic de consimilibus sequentibus. Quodlibet autem primum dividitur in 60 minuta dierum vel alia divisione in 24 horas, et quodlibet minutum diei dividitur in 60 secunda diei, et quodlibet secundum in 60 tertia diei, et sic consequenter. Et quelibet hora diei partitur in 60 minuta, et ista 60 minuta sunt minora minutis dierum, et quodlibet minutum hore in 60 secunda hore, et sic [illegible]. [illegible] ista quedam dicuntur integra, sicut signa et gradus, alia autem dicuntur fractiones, sicut minuta, secunda et cetera. [illegible] autem [illegible] in opere [illegible] astronomie [illegible] et sciendum [illegible] additione [illegible] et subtractione [illegible] algorismi [illegible] in hoc opere fractionum phisicarum [illegible] medio [illegible] de phisicis fractionibus et non de vulgaribus [illegible] ad praxim astronomorum [illegible] valeat [illegible] motibus stellarum [illegible] spissitudinibus et [illegible] distantiis [illegible] in hac [illegible] fractionibus [illegible] reductio, additio, subtractio, mediatio, duplatio, multiplicatio, divisio et radicis extractio tam in numeris cubicis quam quadratis.

[illegible] reductio [illegible] sub [illegible] in fractionibus phisicis [illegible] loco [illegible] phisicis [illegible] Si [illegible] volueris reducere [illegible] integra ad minutias phisicas [illegible] fractionum [illegible] signa phisica multiplicabis [illegible] per 60 et producto addes [illegible] gradus in ordine [illegible] vero [illegible] signa [illegible] multiplicabis [illegible]

30 et addes [illegible] gradus [illegible] multiplicabis per 60 et producto addes [illegible] minuta [illegible] multiplicabis per 60 et producto addes [illegible] secunda [illegible] multiplicabis per 60 et [illegible] producto addes [illegible] tertia [illegible] et procedas ultra quo placet [illegible] ordine [illegible] 22. 37. 76. Si vero in una [illegible] gradus multiplicabis eos per 60 et producto addes [illegible] minuta [illegible] multiplicabis per 60 [illegible] 22 [illegible] Si [illegible] cum ceteris fractionibus multiplica minuta per 60 et producto addes [illegible] et [illegible] 26. 22. 21. Si vero volueris [illegible] phisicas fractiones ad integra reducere [illegible] per 60, et si quid [illegible] fractionum [illegible] in loco [illegible] per 60, et si quid in residuo relictum fuerit [illegible] fractionum [illegible] a fractione [illegible] que [illegible] per 60 et residuum si quod fuerit [illegible] et tandem [illegible] Et [illegible] in isto [illegible] signa phisica [illegible] valet isto [illegible] 16. 22. Notandum [illegible] in astronomia [illegible] gradus [illegible] 360 [illegible] gradus totius circuli [illegible] 360 et residuum [illegible] signa phisica [illegible] 6 [illegible] 6 et residuum in loco suo [illegible]

[illegible]

[illegible] duarum fractionum [illegible]

[illegible] in additione [illegible] duo [illegible] placet. Si [illegible] phisicas [illegible] fractionum [illegible] et integrorum [illegible]

dinis ponendo fractiones quaslibet sub aliis
cuiuslibet generis. et integra sub integris
sic scilicet ut fracta sub fractis, minuta sub minutis, secunda secundis
Et incipe addere a fractionibus subtilioribus
operando eo modo quo docetur in algorismo
de integris, respiciens tamen si ex additione
excrescit 60 totiens adde unitatem fractio
nibus precedentibus versus sinistram, et residuum
quod est minus 60 stet in loco suo, et sic in
additione quarumlibet fractionum cuiuscumque denomi
nationis [illegible] operando. Et sic quotiens ex ad
ditione secundorum excrescit 60 totiens ad
denda est unitas signis precedentibus
versus sinistram. et hoc verum si sunt signa
physica. secus si signa communia quia tunc operandum
per 30. Sed si ex additione signorum ve
niunt plura signa quam 6 deponat 6 quia [illegible]
[illegible] et residuum ponatur in loco signorum
et hoc verum si sint physica. secus si communia quia
tunc excessit circulum [illegible]
Exemplum hic [illegible] 7. [illegible] 39. [illegible] 18. [illegible]
dat iste numerus 7. 18. 41. 2. 4. Et eodem modo
fit additio in minutis temporum scilicet addendo
horas [illegible] et earum fractiones. et si
venit plures horas quam 24 deponendum
est et addere unum [illegible] vel dies dies
[illegible] precedentibus. Et si excrescit 60 prima
dent apud 60 [illegible] reddi est
[illegible] sic procedendo usque ad [illegible]

Ubi tamen est unus fractionum
maioris ad minorem [illegible]

Si velis fractiones physicas ab
invicem subtrahere, scribe fractiones per suas
ordines [illegible] ponendo sub suo genere, et sub
[illegible] minuta a minutis, secunda a secundis [illegible]
a [illegible] et eo modo quo docetur in inte
[illegible] incipiendo tamen a subtilioribus fractionibus
[illegible] subtrahatur a sibi supposita si non
[illegible] maior, sin ad minor
[illegible] a fractione [illegible]
[illegible] quod valet 60 respectu

sequentis. Si autem mutuari non possis unitatem
a fractione immediate precedenti, quia ibi forte est cy
fra, mutuetur unitas ab antiquiori fractione
[illegible] et si non reperitur ad [illegible] et capiatur
unitas, et loco eius scribe [illegible]
[illegible] 29 unitas autem recepta ponatur
[illegible] quod valet 60 respectu loci a quo est fit
subtractio. Tunc ab illis 60 [illegible]
est fit subtractio subtrahe numerum [illegible] et re
siduum stet in loco suo. Eodem modo facias
in alio loco fractionis immediate precedentis
hic in [illegible] quia ista unitas mutuata
[illegible] valet 60 respectu precedentis [illegible]
a [illegible] precedenti [illegible]
Sed si fracta non potest subtrahi a fractis tunc
est mutuanda unitas a minutis quia unitas
valet 60 respectu [illegible] ut dictum est. Si
subtrahere velis fracta a fractis et [illegible]
non possunt subtrahi a [illegible] tunc oportet
mutuari unitatem a [illegible] precedente [illegible]
suppositorum quia [illegible] valet 10 respectu precedentis
[illegible] eo modo quo [illegible] integris
[illegible] dictum est de [illegible] si forte
[illegible] non potest subtrahi a suppositis
[illegible] quia forte est ibi cyfra vel [illegible]
[illegible] est ibi minor, tunc mutuetur unitas
a signis quia unitas [illegible] 60 respectu
[illegible] si sint signa physica vel valet 30
si sint signa communia [illegible] si quis [illegible]
in loco [illegible] ponat cyfram. Et unitas
est mutuanda [illegible] ad totas fractiones
deponendam [illegible] unitas recipi
a signis, et loco [illegible] ponendum 29
si fit operatio per signa physica vel 29
si sint communia. Et illa unitas recepta a si
gnis valet 60 respectu fractionum a quibus
est fit subtractio. Sed fractiones [illegible] de fractio
nibus temporum [illegible] ut dies subtrahantur a
diebus, hore ab horis, minuta a minutis
[illegible] et non hore a diebus nec minuta ab
horis. Si vero contingat horas non posse
subtrahi ab horis mutuanda est unitas in

diebus que unitas valent 24 horas
et hoc addende sunt horis a quibus fit
subtractio et tunc subtrahatur subtrahendum
Si non contingat ab horis unitatem diminui
nisi et in horis sit cifra, recurrendum est
ad dies ubi recipi debet unitas et loco horarum
debent relinqui 23 hore. Similiter
contra quando 24 in astronomia semper
propter subtrahi numerus graduum ab aliquo numero
quod tunc numerus minor vel numerus signorum a numero
signorum minori scilicet quando dicitur. Si igitur
signorum minor sit tunc addendi sunt 360 gradus ad
sit hic ... addendi ad sex signa phisica ad signa
gradus. ad sex signa phisica ad signa
phisica et primo fuit subtractio numeri qui dicitur
Exempli gratia 2. 0. 0. 38. 44
a quo subtrahe istum numerum 3. 22. 0. 49. 39

Mediatio est numeri propositi fractionum
medietatis inventio. Si igitur vel
aliquem numerum mediare, scribas per suas differentias
et incipe mediare a subtilioribus
fractionibus ad dextram usque sinistram
loci fractione a dextra usque sinistram
procedendo. Quod si fractionis subtilioris
figura sit et par, mediabis secundum doctrinam
in integris. Si non sit impar, loco eius
ponatur medietas proximi paris sub eo
contenti, de unitate autem facias 60 que
contenti, de unitate autem facias 60 que
medietatem scilicet 30 ponas in loco proximo
sub dextra, deinde minutias fractionum
ut sub dextra, deinde minutias fractionum
media secundum doctrinam in integris. Si fuit sub
media par, deinde etiam sub non impar medie-
tate imparis scilicet 30 addes tunc minutiis
sinistre sequentibus. Et si fuit ibi cifra
loco eius ponatur 30. Et ita facies
de aliis. Hoc tamen sciendum quod si ibi fuerit
signa gradus et non signorum est impar
sunt unitate imparitas resolves in 30
gradus. et medietatem corporis addes gradibus
sequentibus. aliud adiciendo in mediando
diebus. de die que est impar recipe medietatem

dietatem scilicet 12 horas et adde eas horis se-
quentibus. Et de hora impari recipe
medietatem scilicet 30 minuta que adde ad horis
Exempli gratia 3. 32. 0. 29. 11. 49

Duplatio est numeri fractionum ad se
ipsum aggregatio. Que fit eodem
modo sicut docetur in integris ita quod incipiatur
a sinistra versus dextram procedendo. Et si in
signis phisicis excreverint 6 deponatur et
residuum stet loco signorum. Et si in gradibus
vel signorum phisicorum excreverit 60 de-
ponatur. Quotiens eorum, et pro quolibet addatur
unum signum signis. Et si fuerit plura
minuta quam 60 post duplationem, deponatur 60
quotiens eorum fuit, et toties addatur
unitas ipsis gradibus. Et ita operandum est in
reliquis. Exempli gratia 2. 31. 0. 16
48

Multiplicatio est ex duobus numeris pro-
ducti tertii inventio qui toties continet
alterum illorum quot unitates sunt in reliquo,
licet denominatio variet. Propositis igitur duobus
numeris si velis unum per alium multiplicare
reduc utrumque numerum tamen multiplicandum quam
multiplicantem ad eandem denominationem, scilicet proprie,
et reducatur numerus multiplicatus unum per alium
et provenit fractiones denominate a numero
que denominatoris simul multiplicate producunt.
Ut si utrique non est reductus ad minuta tunc
per multiplicationem veniunt secunda quia unum autem minuta
denominatur si addatur ad unum erunt duo.
Si vero minuta sunt reducta ad secunda, non resultabunt
ex multiplicatione nisi quarta. Si autem unum minutum
est reductum ad secunda et alterum ad tertia, provenient
ex multiplicatione etiam quinta. Dicitur si multi-
plicabis integra per fractiones productum
per multiplicationem est eiusdem denominationis cum
fractionibus per quas fit multiplicatio. Ut si
multiplicentur gradus per minuta productum
minuta. Exempli gratia 2. 18. 0. 24 que numeros

multiplicare per istud 3. 4. 12. 48

Divisio autem datis duobus numeris maioris in tot partes distributio quot unitates minor continet. licet denominatio variet. Si igitur velis unam in fractionibus per aliud dividere. scilicet utrumque numerum per suas differentias et reductis numeris ad idem genus multiplicare unum per aliud i. ceteri per totum et productum denominabitur a numero qui provenit per subtractionem dividentis a dividendo ut si multiplicaveris sextam per quartam provenit secunda, quia subtractis 4 a 6 manent 2. et si multiplicaveris quartam per tertiam provenit unitas in una denominatione. Exemplum huius figura 6ᵃ 18ᵃ 28ᵐⁱ 46ᵃ. et quod numerus multiplicatur per istud 6ᵃ 2ᵃ 12ᵐⁱ 1

Adhuc extrahe autem sub proposito numero aliud invenire, quod si semel vel bis in se ductum fuerit numerum propositum resultabit. si vero fuerit cubicum vel quadratum. Si velis autem in fractionibus phisicis radicem quadratam extrahere reduces minutias propositas sive sint eiusdem denominationis vel diverse. ab impari in numero denominate ad denominationem parem scilicet a pari numero denominato ut si habes tertia reduc eam ad quartam vel ad sextam et extrahe radicem earum sicut in integris et provenit radix quadrata minutia a numero qui tibi per operationem provenit et denominata a loco medio inter partem integrorum supposito ut si 4ᵃ erunt quelibet radicem erit quarta. radix erit secunda. et si erit sexta radix erit tertia 2ᵃ 6ᵃ. Et si aliquid sit residuum non erit quadratum. sed tamen invenisti radicem proximam propinquiorem huius radicis Exemplum istud 2ᵃ 17ᵐⁱ 9ᵃ 8ᵃ 9ᵃ. Cuius radix est 1 4031 secunda

quod valet tantum 1 30ᵐⁱ 2ᵃ

Adhuc cubicam sic poteris extrahere proposito aliquo numero cuius radix queritur ad eandem reducas denominationem quamcumque sive sint ibi fractiones cum integris sive fractiones tantum ad eandem denominationem dico que possit dividi in tres partes equales ut sunt tertia sexta nona 12ᵃ 276. Deinde extrahe radicem cubicam minutorum et habebis et radicem cubicam denominatam a tertia parte denominationis fractionis proposite et sic radix duodenorum est quarta et 9orum tertia. et 6torum secunda. Exemplum huius figura 2ᵃ 7ᵐⁱ 44ᵃ 88ᵃ 49ᵃ 11ᵃ 12ᵃ. Cuius radix cubica est ista 4608 in reducto ad ista 1ᵃ 18ᵐⁱ 48ᵃ. Et sic finis huius negotii pro quo laudetur deus finis et vis speculandi

Circa initium istius scientie sciendum quod Astronomia
est scientia speculativa celestium orbium et stellarum
motus et proportiones motuum investigans. Unde
et Campanus in sua Theorica Astro-
nomiam dividit in theoricam seu speculativam
et practicam. Astronomia theorica est scientia singu-
lorum celestium motuum quantitates orbium et pro-
portiones eorum et distantias nec non et corpo-
rum [illegible] certas per theoremata perfectas compendi-
osas tanquam per primam Geometrie practica
philosophias. Astronomia vero practica est quanti-
tates celestium [illegible] [illegible] [illegible] [illegible]
tas applicat operi [illegible] [illegible] [illegible]
[illegible]. Thebit dividit Astronomiam
in duas [illegible] partes et [illegible] [illegible] [illegible]
[illegible] [illegible] in descriptione [illegible] celi et quantitate
motus super polos equatoris diei aliorum quod
circulos [illegible] ac aliorum eorum distantiam
[illegible] equatore et [illegible] connectionem eorum [illegible] de
[illegible] [illegible] et aliorum [illegible] [illegible] et
[illegible] [illegible] [illegible] [illegible] et [illegible] [illegible]
[illegible] et [illegible] [illegible] [illegible] et qualiter [illegible]
[illegible] [illegible] motu orbium et quod accidit
[illegible] [illegible] [illegible] [illegible] [illegible] radiorum
eclipses solis et lune [illegible] [illegible] [illegible]
[illegible] ortus et occasus matutini et vespertini
[illegible] [illegible] [illegible] orbis [illegible] [illegible] super
celestium et [illegible] [illegible] et [illegible]
[illegible] [illegible] et de [illegible] [illegible] [illegible]
quod accidunt [illegible] [illegible] [illegible] [illegible]
de [illegible] diei et noctis et de descriptione
locorum que sunt per climata situata, et hec est
[illegible] [illegible] [illegible] [illegible] [illegible] accidit
[illegible] [illegible] [illegible] [illegible], [illegible] [illegible] scientia est
[illegible] astrorum [illegible] et est scientia iudiciorum
[illegible] [illegible] naturalis physice et mathematice
[illegible] ordinat deus altissimus [illegible] [illegible]
[illegible] [illegible], quod [illegible] [illegible] [illegible] in rebus
[illegible] [illegible] in [illegible] [illegible] [illegible]
stellas [illegible] et [illegible] [illegible]
et [illegible] scientia dividitur in duas partes, prima est
introductoria, et [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] iudicandi, et [illegible]
est [illegible] [illegible] in [illegible] partes, prima est de re-
volutionibus, secunda de nativitatibus, tertia de interro-
gationibus, quarta de electionibus, [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] de
[illegible] [illegible] [illegible] [illegible] et [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] astro [illegible], et [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] prima pars
introductoria [illegible] [illegible] iudiciorum sicut sunt

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] et [illegible] [illegible]. Et
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] et sunt [illegible] [illegible]
[illegible] [illegible] [illegible] et facies. Circa
ista prima consistit pars introductoria. Secunda pars de re-
volutionibus [illegible] [illegible] [illegible] partes. Prima est [illegible]
[illegible] [illegible] planetarum et eorum eclipsibus. Secunda
est de revolutione annorum mundi. Tertia [illegible]
[illegible], et [illegible] de revolutione annorum mundi con-
sistit in scientia [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] qui [illegible] anni [illegible] est [illegible]
[illegible] [illegible] [illegible] [illegible]. Secunda pars [illegible] [illegible]
consistit in [illegible] planetarum [illegible] eorum super
[illegible] altius in aere superiori et inferiori
et in [illegible] [illegible]. Tertia [illegible] de [illegible] docet
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] vitam [illegible] vita eius [illegible] [illegible]
[illegible] [illegible] [illegible], et docet [illegible] fortune.
Tertia vero [illegible] [illegible] docet [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible]
[illegible] [illegible] et [illegible] [illegible], et [illegible] [illegible] [illegible]
[illegible] est. Quarta vero electionum [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] aliquod opus. Et [illegible]
[illegible] [illegible] scientia [illegible] [illegible] est [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] est [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] facile
[illegible] [illegible], [illegible] [illegible] [illegible] in
[illegible] [illegible] [illegible] [illegible] et electionum [illegible]
[illegible] in [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] agunt [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] in [illegible], et [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] et electionum et aliorum [illegible]
[illegible] [illegible] [illegible] [illegible] scientia iudiciorum in [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] eclipses et [illegible]
et omnes in [illegible] [illegible] [illegible] [illegible]
[illegible], [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] in [illegible] [illegible] [illegible] collecta [illegible]
Et in [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] Colligunt [illegible] [illegible] [illegible]
[illegible] 60 [illegible] [illegible] [illegible] [illegible]
[illegible] collecta 60 [illegible] [illegible] [illegible] [illegible]
[illegible] 60 [illegible] [illegible] [illegible] 60 [illegible]
[illegible] [illegible] [illegible] collecta [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] 60 in 60 [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] in 60 [illegible] [illegible] [illegible] [illegible]

Et quia [illegible] 2 dies / ideo in hac [illegible] in 60 [illegible] [illegible] [illegible] in 60 [illegible] [illegible] in 60 [illegible] [illegible] [illegible] 2 [illegible] [illegible] [illegible] 30 [illegible] [illegible] in 5 [illegible] [illegible] [illegible] [illegible] in 30 [illegible] [illegible] in 60 [illegible] 60 [illegible] 30 [illegible] in 6 [illegible] in 60 [illegible] in 64 [illegible] in 60 [illegible] 60 [illegible] 30 [illegible] 2 [illegible] 30 [illegible] 30 [illegible] 30 [illegible] 30 [illegible] 30 [illegible] [illegible]

[illegible] 30 [illegible] 6 [illegible] 30 [illegible] [illegible] 3782 [illegible] 60 [illegible] 60 [illegible] 106 annos 6 menses et 19 dies [illegible] Et sic fit 100 [illegible] 365 dies [illegible] 12970930 [illegible] 8810 [illegible] 12979800 [illegible] 6 [illegible] 19 [illegible] 200 [illegible] 12960000 [illegible] 60 [illegible] 1218 [illegible] 340 [illegible] 60 [illegible]

Sexta pars

[illegible] 1829 [illegible] 1829 [illegible] 12 [illegible] 1498 [illegible] 1828 annos [illegible] 20 [illegible] 67 diebus et 6 horis [illegible]

6 horas, in quarto anno superveniet dies unus
quod dicitur vulgariter bissextilis. et annus cum eo
annus bissextilis [illegible] secundum [illegible] lunaris [illegible]
spacium est ergo lunaris quando [illegible] solis [illegible]
magis. Et continet in se 354 dies et
11 tricesimas. Et isto anno utuntur arabes
anno solari utuntur Romani. Egipcii et
[illegible] omnes autem usuales, et
spacium est in kalendariis [illegible]
[illegible] ex aliis diebus [illegible]
[illegible] in [illegible] mense [illegible]
[illegible] solaris lunaris et usualis
[illegible] solaris [illegible] est per quod sol [illegible]
in uno signo. Et [illegible] 30 dies 10
horas. 29 minuta et 36 secunda. [illegible] mensis lunaris
spacium est per quod luna recedit a sole et [illegible]
revertitur ad eum. Et continet 29 dies 12 horas
44 minuta 3 secunda. Mensis autem usualis
[illegible] dies in kalendariis [illegible]
[illegible] vel 31 dies [illegible]
[illegible] naturalis et artificialis [illegible]
[illegible] artificialis [illegible]
[illegible] 24 horarum. [illegible]
[illegible] ad [illegible]
[illegible] in canone [illegible]
[illegible] et videtur [illegible]
[illegible] solaris [illegible] lunaris [illegible] solaris
[illegible] bissextilis [illegible]
[illegible] solaris bissextilis [illegible]
[illegible] 365 [illegible]
in canone. et [illegible] incipit [illegible]
anno post bissextilem [illegible] incipit [illegible]
anno post bissextilem. [illegible] Alexandri [illegible]
[illegible] annos [illegible]
[illegible] et [illegible] in canone [illegible]
Si vero in [illegible] post bissextilem [illegible]
[illegible] annus [illegible] et
[illegible] in canone. Si autem
incipit in anno bissextili, [illegible]
[illegible] Si autem [illegible] annus lunaris
[illegible] arabum. debent multiplicari per 354
dies, et [illegible] debent multiplicari
per undecim tricesimas, et [illegible] debet
multiplicari per 30. Et si dividendo tricesimas per 30
in residuo [illegible] plures quam 15. tunc
pro illis pluribus quam 15 debet addi una
dies cum aliis diebus. [illegible]
[illegible] et [illegible]
[illegible] Si annus [illegible] solaris [illegible]
bissextilis, [illegible] completos debent
multiplicari per 365 dies [illegible] et [illegible]
dies [illegible]
[illegible] indigemus. [illegible]
[illegible] annus [illegible] solaris

bissextilis. [illegible] solaris
[illegible]
[illegible]

et [illegible] quod [illegible] solaris
[illegible] et [illegible] ut [illegible]
[illegible] Egipcii et Persae, et isti [illegible]
Romanis et [illegible] Egipcii [illegible]
[illegible] incipit annus [illegible] 365
diebus et 6 horis [illegible] 6 horis
in 4o anno quo venit bissextilis [illegible]
[illegible] Persae [illegible] Egipcii [illegible]
[illegible] Alexandri. [illegible] annus [illegible] ex
365 diebus. [illegible] 6
horis [illegible] annus bissextilis [illegible]
[illegible] Ptolomeus [illegible]
almagesti, [illegible]
[illegible] Egipcii [illegible]
[illegible] ex [illegible] Romani
[illegible] mense [illegible] Januarii [illegible] ex 31 diebus
[illegible] Februarius in anno [illegible] ex 28 diebus
[illegible] in bissextili ex 29 [illegible]
[illegible] et [illegible]
[illegible] Februarius [illegible]
[illegible] arabes [illegible] incipit a
Januario [illegible] Romani [illegible]
[illegible] Julii [illegible]
[illegible] Romani, in quo [illegible]
[illegible] et [illegible]
[illegible] et [illegible]
30 [illegible] et [illegible] incipit annus
ab octobre [illegible] in [illegible]
[illegible] nobis et [illegible] mense [illegible]
Februario in anno [illegible] ex 28 diebus [illegible]
[illegible] anno bissextili ex 29 [illegible]
[illegible] Egipcii [illegible]
incipit annus a septembre [illegible]
[illegible] mense ex 30
diebus [illegible] anno [illegible]
ex 37 diebus, [illegible] in bissextili ex 36 diebus
[illegible] Egipcii [illegible]
[illegible] Philippi
[illegible] Alexandri. [illegible] anni ex 365
diebus [illegible] mense ex 30 diebus
[illegible] mense [illegible]
[illegible] ex 37 diebus [illegible] Persae [illegible]
Yezdegerith qui fuit rex ultimus Persarum apud
quem fuit [illegible] imperator. [illegible] fuit [illegible]
[illegible] Persarum [illegible] 37 dies, et
[illegible] 30 [illegible]
[illegible] ad annum [illegible] arabes
[illegible] a [illegible]
[illegible] agareni [illegible]
[illegible] agar [illegible] annus [illegible]
[illegible] Machometi [illegible] fuit [illegible] et
[illegible] annus [illegible] quo [illegible]
[illegible]

[illegible] post [illegible] anno [illegible] ex 3[illegible] diebus
et 11 [illegible] videlicet [illegible] valet
8 horas et 48 minuta [illegible] arabum
[illegible] menses [illegible] ex 30 diebus [illegible] ex
29 / [illegible] ex 30 / [illegible] ex 29 [illegible]
[illegible] ex 30 [illegible] ex 29
Item era alphonsi ad [illegible] anni [illegible] 29 / [illegible]
[illegible] 28
Item era diluvii ad tempus [illegible] 39 / 3[illegible] 36
Item era arabum [illegible] 21 · 39 · 22 ·
Item era nabuchodonosor 3 · 40 · 39 · 29 ·
Item era allexandri magni 2 · 26 · 21 ·
Item era dyocletiani · 1 · 26 · 6 · 11
Item era cesaris · 7 · 28 · 44 [illegible]
Item era alphonsi in annis romanis mensibus
et diebus ad tempus [illegible] [illegible] 1 [illegible]
menses · 2 · dies
Item era diluvii in annis romanis mensibus et die-
bus ad tempus [illegible] [illegible] 29 / 10 menses /
12 dies Item era nabuchodonosor in annis
romanis mensibus et diebus [illegible] annis / 10
menses · 8 · dies Item era allexandri
magni in annis romanis [illegible] 1 [illegible] 39 anni 3 ·
menses 3 · dies [illegible]

Nota [illegible] canones [illegible] bissexta
[illegible] tabula [illegible] tabulas [illegible]
[illegible] annorum [illegible] in tabulis
[illegible] bissextilem [illegible]
[illegible] menses / et [illegible]
[illegible] annorum expansorum [illegible] tabula
[illegible] ad annum bissextilem / [illegible]
[illegible] bissextiles [illegible] 29 [illegible] bissexti [illegible]
[illegible] tabula [illegible]
[illegible] tabula annorum expansorum [illegible]
ultimus annorum [illegible] et 29 [illegible] bissexti
[illegible] bissextiles / [illegible] anni [illegible] bissextus
[illegible] tabula annorum expansorum / [illegible]
[illegible] quod [illegible] bissextiles [illegible]
[illegible] anno [illegible] ita
fuit / [illegible] post
bissextum [illegible] fuit / [illegible]
[illegible] bissextum / et [illegible]
[illegible] / Et [illegible] annos
[illegible] et [illegible]
[illegible] bissextilem [illegible]
Et [illegible] 4 · 3 · 2 · [illegible]
[illegible] in annis [illegible]
ut [illegible] 4 · 3 · 2 · [illegible] annos
[illegible] in annos romanos [illegible]
[illegible] ut [illegible] 4 · 3 · 2 · 1 · diluvii [illegible]
in annis romanis / et [illegible]

Nota [illegible] tabulam magnam [illegible]
[illegible] ex altera ex [illegible]
[illegible] ex [illegible] alphonsi [illegible]
annos alphonsi / [illegible] 12 [illegible]
[illegible] ad tempus [illegible] / [illegible]

[illegible] alphonsi [illegible] era [illegible]
[illegible] era alphonsi ad [illegible] tempus [illegible] ad
[illegible] era [illegible] fuerit [illegible]
[illegible] annos menses alphonsi et [illegible]
tabula [illegible] alphonsi allexandri
cesaris et dyocletiani [illegible] tabula
[illegible] tabula [illegible]
ad annos alphonsi a [illegible] incipientes
Item era alphonsi in annis et mensibus alphonsi
[illegible] 1 1 6 anni / 1 menses [illegible]
[illegible] era alphonsi [illegible] 1 69
annos · 1 menses et · 2 · dies [illegible]
dies [illegible] fuit [illegible] in annos romanos
[illegible] in annos alphonsi · Et [illegible]
[illegible] anni / [illegible] anni
a Januario [illegible] a Junio / [illegible]
[illegible] februarius [illegible] 28 dies / [illegible]
[illegible] / Item [illegible] annos al-
[illegible] annos alphonsi
[illegible] diluvii [illegible] nabuchodonosor
[illegible] annos alphonsi · in tabula [illegible]
[illegible] ex annis [illegible] ex annis alphonsi
Et [illegible] in tabula [illegible]
[illegible] annorum collectorum alphonsi · Et [illegible]
[illegible] annos alphonsi [illegible]
[illegible] 4 · 3 · 2 · [illegible]
[illegible]
[illegible] 4 · 3 · 2 · [illegible]
[illegible]
[illegible]
in tabula annorum expansorum et [illegible]
[illegible]
[illegible] annos [illegible] in tabula
[illegible] in Junio / et [illegible]
[illegible] Et [illegible]
dies [illegible] / et [illegible] 4 · 3 · 2 · 1 · [illegible]
[illegible] Et [illegible]
4 · 3 · [illegible] annos menses et dies
[illegible]

Item [illegible] dies [illegible]
[illegible] annum [illegible]
21 · [illegible] /
[illegible] anni [illegible]
Item [illegible] anno domini 1428
[illegible]

Item [illegible] 1[illegible] hore · 22 minuta
[illegible] 28 [illegible] horarum [illegible]
36 minuta · 4[illegible] · 21 [illegible] 22 · [illegible]
Item 18 hore / 39 minuta [illegible] horas
[illegible] 46 minuta / 79 · 2 / [illegible]
[illegible] · 3[illegible] [illegible]
Item [illegible]
[illegible] / 2[illegible] [illegible] dies [illegible]
[illegible] et iste [illegible] dies
[illegible]

in cira festum omnium sanctorum [illegible] ver
circa festum lucie [illegible] medio est plures
[illegible] dici artisti [illegible] yeme [illegible]
estate [illegible] hoc dum [illegible]
yeme [illegible] estate / Item ro [illegible]
[illegible] grad 28 m 21 2 et [illegible]
18 [illegible] in horis equalibus et [illegible]
[illegible] [illegible] 11 hore 21 minuta 22
11 [illegible] 12 [illegible] / Item [illegible]
Ad [illegible] meridianus [illegible] thole-
tanum in anglia meridiani Cicestrensis
[illegible] longitudo illarum [illegible]
[illegible] equalibus tabule mediat
[illegible] meridianum [illegible] meridiaines
inter tholetanum et [illegible] ad [illegible]
Longitudo [illegible] equalibus tabule [illegible]
[illegible] illarum [illegible] ad regionem
[illegible] Cicestrensis meridianum
[illegible] tholetanum est 21 gradus et 36 minuta
[illegible] in una hora et 26 minuta
et 24 [illegible] hora et minuta et [illegible] valet
[illegible] 36 [illegible] et in [illegible] est
[illegible] plures [illegible] argumenta / et [illegible]
[illegible] est a radicibus tholetanis / [illegible]
Cicestrensis [illegible] tholetanum
[illegible] ad [illegible] Cicestrensis

Item [illegible] meridianum tholetanum
et Cicestrensis [illegible] 21 gradus et 36 minuta
[illegible] Cicestrensis [illegible]
[illegible] ro [illegible] i studio
[illegible] meridianum tholetanum
[illegible] est 18 gradus et 30 minuta [illegible]
[illegible] est 18 [illegible] minuta [illegible]
[illegible] gradus [illegible] minuta [illegible] in
una hora et 12 minuta hore [illegible] hora
[illegible] minuta valet 3 minuta et [illegible]
[illegible] longitudo [illegible] media
[illegible] Cicestrensis [illegible] est [illegible]
[illegible] meridianum [illegible]
[illegible] potius / et [illegible]
est 60 / [illegible] [illegible] minuta
[illegible] et [illegible] [illegible]
[illegible] miliaria [illegible] medio mi-
liaria [illegible] [illegible] et valles
et [illegible] plurima [illegible]
[illegible] in [illegible] [illegible]
[illegible] miliaria [illegible] [illegible]
[illegible] 16 miliaria [illegible] gradu
[illegible] 44 [illegible] 16 et [illegible] 3 gradus
in [illegible] et in [illegible] miliaria
[illegible] valet 3 minuta / et [illegible] gradus
[illegible] 60 minuta [illegible]
[illegible] 16 / et in [illegible] 3 minuta
et in [illegible] 12 minuta / [illegible] 160

[illegible] venit [illegible] 16 et [illegible]
[illegible] 16 [illegible] 3 minuta / et [illegible]
[illegible] gradus / [illegible] 3 gradus [illegible]
[illegible] medium miliaria [illegible]
[illegible] minuta [illegible] 12 [illegible] 30 [illegible]
[illegible] est [illegible] medio
[illegible] et [illegible] miliaria / et
venit [illegible] minuta [illegible]
[illegible] / et venit longitudo inter
[illegible] et Cicestrensis 19 3 minuta
3 gradus 7 minuta 31 [illegible] 31 [illegible]
[illegible] ad minuta / et [illegible] longitudo 3
gradus / [illegible] minuta [illegible] gradus [illegible] in
12 minuta hore et 24 [illegible] / [illegible] 31
[illegible] 3 gradus [illegible] 6
[illegible] longitudo [illegible] tholetanum et [illegible]
et venit longitudo inter tholetanum et Cicestrensis
[illegible] 21 gradus 36 minuta [illegible] gradus [illegible]
in una hora et 26 minuta et 24 [illegible] / [illegible]
hora [illegible] valet 3 minuta [illegible]
[illegible] 36 [illegible] medium [illegible]
[illegible] et argumenti et [illegible]
et [illegible] medio [illegible] a [illegible]
tholetanum / et Cicestrensis [illegible]
[illegible] thole [illegible] Cicestrensis

am̄ Nunc mai Maria v'go semp letare q meruisti xp̄m portare [illegible]

Inter Ade et diluvium | 10 | 14 | 21 | 33

Tabula differentiarum omnium regnorum ad aliud atque nova regna omnium erarum in capitulis tabularum propter...

		4	3	2	p
1	Diluvii et Regis Alphonsi	7	21	40	38
2	Nabuchodonosor et Alphonsi	3	22	44	25
3	Mortis Alexandri sive Regis philippi et Alph.	2	39	45	5
4	Alexandri magni et Alphon.	2	38	32	44
5	Cesaris et Alphon.	2	10	49	19
6	Incarnationis et Alphonsi	2	6	51	59
7	Diocleciani et Alphonsi	1	38	11	13
8	Regis Arabum et Alphon.	1	3	54	34
9	Yesdigert et Alphonsi	1	2	54	0
10	Diluvii et Nabuchodonosor	3	58	56	13
11	Diluvii et Alexandri Macedonum sive Regis	4	41	55	33
12	Diluvii et Alexandri magni	4	43	7	54
13	Diluvii et ere Cesaris	5	10	51	19
14	Diluvii et incarnationis	5	14	42	39
15	Diluvii et diocleciani	5	43	29	25
16	Diluvii et ere Arabum	6	17	46	14
17	Diluvii et ere Persarum	6	18	46	38
18	Nabuchodonosor et mortis philippi pris Alexandri	0	42	59	20
19	Nabuchodonosor et Alexandri magni	0	44	11	41
20	Nabuchodonosor et ere Cesaris	1	11	55	6
21	Nabuchodonosor et incarnationis	1	15	46	26
22	Nabuchodonosor et ere Arabum	1	44	33	12
23	Nabuchodonosor et diocleciani	3	18	50	1
24	Nabuchodonosor et Yesdigert Regis persarum	2	19	50	25
25	Mortis philippi pris Alexandri et Alexandri	0	1	12	21
26	Mortis Alexandri pris philippi et ere Cesaris	0	28	55	46
27	Mortis Alexandri pris philippi et incarnationis	0	32	41	6
28	Mortis philippi et diocleciani	1	1	33	53
29	Mortis Alexandri pris philippi et ere Arabum	1	35	50	41
30	Mortis Alexandri pris philippi et ere persarum	1	36	11	5
31	Alexandri magni et ere Cesaris	0	21	43	25
32	Alexandri magni et incarnationis	0	31	34	45
33	Alexandri magni et diocleciani	1	0	21	21
34	Alexandri magni et ere Arabum	1	34	38	20
35	Alexandri magni et ere persarum	1	35	38	44
36	Ere cesaris et incarnationis	0	3	51	20
37	Ere Cesaris et diocleciani	0	32	38	6
38	Ere Cesaris et ere Arabum	1	6	54	55
39	Ere Cesaris et ere persarum	1	7	55	10
40	Incarnationis et diocleciani	0	28	46	46
41	Incarnationis et ere Arabum	1	3	3	35
42	Incarnationis et ere Persarum	1	4	3	59
43	Diocleciani et ere Arabum	0	38	16	49
44	Diocleciani et ere persarum	0	35	17	13
45	Ere arabum et ere persarum	0	1	0	34

Tabula mensium Egiptiorum quibus utimur in annis diluvii Nabuchodonosor et philippi et super almagestum

	2	1
Tuth	0	30
Baba	1	0
Atir	1	30
Chayach	2	0
Tobi	2	30
Mechir	3	0
Phemanoth	3	30
Barmuth	4	0
Mayrmai	4	30
Mactor	5	0
Besiactiz	5	30
Mamori	6	0

Tabula mensium Persarum

	2	1
Afurdahut	0	30
Ardahimit	1	0
Adirchimit	1	30
Ciamarut	2	0
Mardemt	2	30
Sachrimot	3	0
Mahamit	3	30
Alamech	4	0
Adirmit	4	30
Domoh	5	0
Bemonut	5	30
Afirdamit	6	0

Menses Arabum

	2	1
Muharam	0	30
Safar	0	59
Rabe primus	0	29
Rabe secundus	1	28
Jumad primus	2	28
Jumad secundus	2	57
Rajab	3	27
Schaban	3	56
Ramadan	4	26
Schawal	4	55
Dulkiada	5	25
Dulhegia	5	54

Tabula quas ad inveniendum omnes eras h' portabis et adinveniendum v'as incognitas quo ad a cognita

Anni collecti Incarn. Alph. Cesaris et Diocl.						Anni expansi quos Alpho. Incar.						Anni expansi quos Allex. et Dioclet.						Anni expansi era Cesaris				
an	4̄	3̄	2̄	1̄		an	3̄	2̄	1̄	60ᵉ		an	3̄	2̄	1	60ᵉ		an	3̄	2	1̄	60ᵉ
40	0	4	3	30		1	0	6	5	15		1	0	6	5	30		1	0	6	5	45
60	0	6	5	15		2	0	12	10	30		2	0	12	10	45	b	2	0	12	11	0
80	0	8	7	0		3	0	18	15	45	b	3	0	18	16	0		3	0	18	16	15
100	0	10	8	45	b	4	0	24	21	0		4	0	24	21	15		4	0	24	21	30
200	0	20	17	30		5	0	30	26	15		5	0	30	26	30		5	0	30	26	45
300	0	30	26	15		6	0	36	31	30		6	0	36	31	45	b	6	0	36	32	0
400	0	40	35	0		7	0	42	36	45	b	7	0	42	37	0		7	0	42	37	15
500	0	50	43	45	b	8	0	48	42	0		8	0	48	42	15		8	0	48	42	30
600	1	0	52	30		9	0	54	47	15		9	0	54	47	30		9	0	54	47	45
700	1	11	1	15		10	1	0	52	30		10	1	0	52	45	b	10	1	0	53	0
800	1	21	10	0		11	1	6	57	45	b	11	1	6	58	0		11	1	6	58	15
900	1	31	18	45	b	12	1	13	3	0		12	1	13	3	15		12	1	13	3	30
1000	1	41	27	30		13	1	19	8	15		13	1	19	8	30		13	1	19	8	45
2000	3	22	55	0		14	1	25	13	30		14	1	25	13	45	b	14	1	25	14	0
3000	5	4	22	30		15	1	31	18	45	b	15	1	31	19	0		15	1	31	19	15
4000	6	45	50	0	b	16	1	37	24	0		16	1	37	24	15		16	1	37	24	30
5000	8	27	17	30		17	1	43	29	15		17	1	43	29	30		17	1	43	29	45
6000	10	8	45	0		18	1	49	34	30		18	1	49	34	45	b	18	1	49	35	0
7000	11	50	12	30		19	1	55	39	45	b	19	1	55	40	0		19	1	55	40	15
8000	13	31	40	0	b	20	2	1	45	0		20	2	1	45	15		20	2	1	45	30

Menses latinorum ad anos alp. a Iunio incipi.	2̄	1̄	Menses quos ad a°s incar. et Cesaris		2̄	1̄	Menses grecorum ad a°s Allex. incip. ab octobre	2̄	1̄	Menses egipciorum ad anos Diocleci. incip. a septembre	2̄	1̄
Iunius	0	30	Cipsa	Ia	0	31	Tisri 1us	0	31	Tuch	0	30
Iulius	1	1	Bri	Fe	0	59	Tisri 2us	1	1	Baba	1	0
Augustus	1	32	Mirmar	Mar	1	30	Kesim 1us	1	32	Heaur	1	30
Septembris	2	2	Apre	Ap	2	0	Kesim 2us	2	3	Keylet	2	0
Octobris	2	33	Phi	Ma	2	31	Cawach	2	31	Toca	1	30
Novembris	3	3	Hiu	Iun	3	1	Adar	3	4	Amilur	3	0
Decembris	3	34	Iula	Iul	3	32	Nysan	3	31	Bermaat	3	30
Ianuarius	4	5	Dec	Aug	4	3	Ydar	4	3	Barmda	4	0
Februarius	4	33	Egi	Sep	4	33	Haziran	4	33	Buchmes	4	30
Marcius	5	4	Regd	Oc	5	4	Tammuz	5	4	Fuba	5	0
Aprilis	5	34	Om	No	5	34	Ab	5	34	Abibi	5	30
Maius	6	5	Dec	De	6	5	Eylul	6	5	Massri	6	5

Item Tabula mensium eorundem in anno bissextili

	2̄	1										
Iunius	0	30	Cip	Ia	0	31	Tisri 1us	0	31	Tuch	0	30
Iulius	1	1	Bri	Fe	1	0	Tisri 2us	1	1	Baba	1	0
Augustus	3	2	Mirmar	Mar	1	31	Kesim 1us	1	32	Heaur	1	30
Septe	2	2	Apre	Ap	2	1	Kesim 2us	2	3	Keylet	2	0
Octob	3	33	Phi	Ma	2	32	Cawach	2	33	Toca	2	30
Nove	3	3	Hiu	Iu	3	2	Adar	3	4	Amilur	3	0
Decemb	3	34	Iula	Iul	3	33	Nysan	3	34	Bermaat	3	30
Ianu	4	5	Dec	Aug	4	4	Ydar	4	6	Barmda	4	0

Februarius	4	33	Egt	Sep	4	38	hazeyran	4	35	Bihmen	4	30
Marcius	5	4	Reg	Oc	5	5	Tammuz	5	5	Exfa	5	0
Aprilis	5	34	Om	no	5	37	Ab	5	35	Abili	5	30
Maius	6	6	Des	De	6	6	Ey lecul	6	6	Maffire	6	6

Tabula ad inveniendum eras Arabum

Anni Arabum collecti per millenarios anni

900	4	3	2	1
30	0	2	51	11
60	0	5	54	22
90	0	8	51	33
120	0	11	44	44
150	0	14	47	55
180	0	17	43	6
210	0	20	40	17
240	0	23	37	28
270	0	26	34	39
240	0	29	31	50
270	0	32	29	1
300	0	37	28	12
330	0	38	23	23
360	0	41	20	34
390	0	44	17	47
420	0	41	18	56
450	0	50	2	7
480	0	53	9	18
510	0	56	6	29
540	0	59	3	40
570	1	2	0	51
600	1	4	58	2
630	1	7	55	13
660	1	8	52	24
690	1	13	49	37
720	1	16	46	46
750	1	19	43	57
780	1	22	41	8
810	1	27	38	19
840	1	28	37	30
[illegible]	2	51	11	0
[illegible]	4	27	46	30
[illegible]	5	54	22	0
[illegible]	7	22	51	30
[illegible]	8	51	33	0
[illegible]	10	20	8	30
[illegible]	11	48	44	0
	13	17	19	30

Anni Arabum expansi

	1	3	2	1	60
	2	0	4	54	11
b	3	0	11	49	22
	4	0	14	43	3
	5	0	23	37	14
	6	0	29	32	27
b	7	0	34	26	6
	8	0	41	21	17
	9	0	47	17	28
	10	0	53	9	9
b	11	0	59	4	20
	12	1	4	58	1
	13	1	10	52	12
	14	1	16	41	23
b	15	1	22	41	4
	16	1	28	37	15
	17	1	34	30	26
	18	1	40	28	7
b	19	1	46	19	18
	20	1	52	13	29
	21	1	58	7	10
	22	2	4	2	21
b	23	2	9	56	2
	24	2	15	50	13
	25	2	21	47	24
	26	2	27	39	7
b	27	2	33	38	16
	28	2	39	28	27
	29	2	45	22	8
	30	2	21	17	19
b	30	2	57	11	0

Anni expansi et collecti ad eram Diluvii Arabum Persarum Philippi Alexandri et Persarum

	4	3	2	1		3	2	1	60
40	0	4	3	20	1	0	6	5	0
60	0	6	5	0	2	0	12	10	0
80	0	8	6	40	3	0	18	15	0
100	0	10	8	20	4	0	24	20	0
200	0	20	16	40	5	0	30	25	0
300	0	30	25	0	6	0	36	30	0
400	0	40	33	20	7	0	42	35	0
500	0	50	41	40	8	0	48	40	0
600	1	0	50	0	9	0	54	45	0
700	1	10	58	20	10	1	0	50	0
800	1	21	6	40	11	1	6	55	0
900	1	31	15	0	12	1	13	0	0
1000	1	41	23	20	13	1	19	5	0
2000	3	22	46	40	14	1	25	10	0
3000	5	4	10	0	15	1	31	15	0
4000	6	45	33	20	16	1	30	20	0
5000	8	26	56	40	17	1	43	25	0
6000	10	8	20	0	18	1	49	30	0
7000	11	49	43	20	19	1	55	35	0
8000	13	31	6	40	20	2	1	40	0

Tabula revolutionis mensium

Anni mensium	d	h	m	2	3	4	5	6
1	28	2	17	38	9	11	51	
2	56	4	35	16	18	22	42	
3	84	6	52	54	27	33	33	
4	112	9	10	33	36	44	24	
5	140	11	28	10	45	55	15	
6	168	13	47	48	55	11	6	
7	196	16	3	27	4	22	58	
8	224	18	21	5	13	38	48	
9	252	20	38	43	22	46	39	
10	280	22	56	21	31	58	30	
11	309	1	13	59	41	10	21	
12	337	3	31	37	50	22	12	
13	365	5	49	17	19	30	2	

Tabla extractionis vnius ere ex alia dierum hic positus l' [illegible] per eraz Alphonsij

Numerus annorum collectorum Alphonsij	Interuallo dierum et annorum Diluuij per annos Alphonsij				Interuallo dierum et annorum Nabuchodonosor per annos Alphonsij				Interuallo dierum et annorum mortis [illegible] prophete [illegible] per annos Alphonsij				Interuallo dierum et annorum [illegible] per annos Alphonsij				Interuallo dierum annorum et era Cesaris per annos Alphonsij			
l	4	3	2	1	4	3	2	1	4	3	2	1	4	3	2	1	4	3	2	1
Radix	7	21	40	38	3	22	44	27	2	39	45	5	2	38	32	44	2	10	49	19
20	7	23	42	23	3	24	46	10	2	41	46	50	2	40	34	29	2	12	51	4
40	7	25	44	8	3	26	47	55	2	43	48	37	2	42	36	14	2	14	53	49
60	7	27	45	53	3	28	49	40	2	45	50	20	2	44	37	59	2	16	54	34
80	7	29	47	38	3	30	51	27	2	47	52	5	2	46	39	44	2	18	56	19
100	7	31	49	23	3	32	53	10	2	49	53	[illegible]	2	48	41	29	2	20	58	4
120	7	33	51	8	3	34	54	55	2	51	55	37	2	50	43	14	2	22	59	49
140	7	35	52	53	3	36	56	40	2	53	57	20	2	52	44	59	2	25	1	34
160	7	37	54	38	3	38	58	27	2	55	59	5	2	54	46	44	2	27	3	19
180	7	39	56	23	3	41	0	10	2	58	0	50	2	56	48	29	2	29	5	4
200	7	41	58	8	3	43	1	55	3	0	2	37	2	58	50	14	2	31	6	49
220	7	43	59	53	3	45	3	40	3	2	4	20	3	0	51	59	2	33	8	34
240	7	46	1	38	3	47	5	27	3	4	6	5	3	2	53	44	2	35	10	19
260	7	48	3	23	3	49	7	10	3	6	7	50	3	4	55	29	2	37	12	4
280	7	50	5	8	3	51	8	55	3	8	9	37	3	6	57	14	2	39	13	49
300	7	52	6	53	3	53	10	40	3	10	11	20	3	8	58	59	2	41	15	34
320	7	54	8	38	3	55	12	27	3	12	13	5	3	11	0	44	2	43	17	19
340	7	56	10	23	3	57	14	10	3	14	14	50	3	13	2	29	2	45	19	4
360	7	58	12	8	3	59	15	55	3	16	16	37	3	15	4	14	2	47	20	49
380	8	0	13	53	4	1	17	40	3	18	18	20	3	17	5	59	2	49	22	34
400	8	2	15	38	4	3	19	27	3	20	20	5	3	19	7	44	2	51	24	19
420	8	4	17	23	4	5	21	10	3	22	21	50	3	21	9	29	2	53	26	4
440	8	6	19	8	4	7	22	55	3	24	23	37	3	23	11	14	2	55	27	49
460	8	8	20	53	4	9	24	40	3	26	25	20	3	25	12	59	2	57	29	34
480	8	10	22	38	4	11	26	27	3	28	27	5	3	27	14	44	2	59	31	19
500	8	12	24	23	4	13	28	10	3	30	28	50	3	29	16	29	2	1	33	4
520	8	14	26	8	4	15	29	55	3	32	30	37	3	31	18	14	3	3	34	49
540	8	16	27	53	4	17	31	40	3	34	32	20	3	33	19	59	3	5	36	34
560	8	18	29	38	4	19	33	27	3	36	34	5	3	35	21	44	3	7	38	19
580	8	20	31	23	4	21	35	10	3	38	35	50	3	37	23	29	3	9	40	4
600	8	22	33	8	4	23	36	55	3	40	37	37	3	39	25	14	3	11	41	49
620	8	24	34	53	4	25	38	40	3	42	39	20	3	41	26	59	3	13	43	34
640	8	26	36	38	4	27	40	27	3	44	41	5	3	43	28	44	3	15	45	19
660	8	28	38	23	4	29	42	10	3	46	42	50	3	45	30	29	3	17	47	4
680	8	30	40	8	4	31	43	55	3	48	44	37	3	47	32	14	3	19	48	49
700	8	32	41	53	4	33	45	40	3	50	46	20	3	49	33	59	3	21	50	34
720	8	34	43	38	4	35	47	27	3	52	48	5	3	51	35	44	3	23	52	19
740	8	36	45	23	4	37	49	10	3	54	49	50	3	53	37	29	3	25	54	4
760	8	38	47	8	4	39	50	55	3	56	51	37	3	55	39	14	3	27	55	49

Residuum tabule motuum 8e spere ... posite per compositorem vocatum Alpho

Anni collecti	s	g	2	1	s	g	2	1	s	g	2	1	s	g	2	1	
Radix	2	6	57	59	1	38	11	13	1	3	54	24	1	2	54	0	
20	2	8	59	44	1	40	12	58	1	5	56	9	1	4	55	45	
40	2	11	1	29	1	42	14	43	1	7	57	54	1	6	57	30	
60	2	13	3	14	1	44	16	28	1	9	59	39	1	8	59	15	8
80	2	15	4	59	1	46	18	13	1	12	1	24	1	11	1	0	
100	2	17	6	44	1	48	19	58	1	14	3	9	1	13	2	45	
120	2	19	8	29	1	50	21	43	1	16	4	54	1	15	4	30	
140	2	21	10	14	1	52	23	28	1	18	6	39	1	17	6	15	8
160	2	23	11	59	1	54	25	13	1	20	8	24	1	19	8	0	
180	2	25	13	44	1	56	26	58	1	22	10	9	1	21	9	45	
200	2	27	15	29	1	58	28	43	1	24	11	54	1	23	11	30	
220	2	29	17	14	2	0	30	28	1	26	13	39	1	25	13	15	8
240	2	31	18	59	2	2	32	13	1	28	15	24	1	27	15	0	
260	2	33	20	44	2	4	33	58	1	30	17	9	1	29	16	45	
280	2	35	22	29	2	6	35	43	1	32	18	54	1	31	18	30	
300	2	37	24	14	2	8	37	28	1	34	20	39	1	33	20	15	8
320	2	39	25	59	2	10	39	13	1	36	22	24	1	35	22	0	
340	2	41	27	44	2	12	40	58	1	38	24	9	1	37	23	45	
360	2	43	29	22	2	14	42	43	1	40	25	54	1	39	25	30	
380	2	45	31	14	2	16	44	28	1	42	27	39	1	41	27	15	8
400	2	47	32	59	2	18	46	13	1	44	29	24	1	43	29	0	
420	2	49	34	44	2	20	47	58	1	46	31	9	1	45	30	45	
440	2	51	36	29	2	22	49	43	1	48	32	54	1	47	32	30	
460	2	53	38	14	2	24	51	28	1	50	34	39	1	49	34	15	
480	2	55	39	59	2	26	53	13	1	52	36	24	1	51	36	0	
500	2	57	41	44	2	28	54	58	1	54	38	9	1	53	37	45	
520	2	59	43	29	2	30	56	43	1	56	39	54	1	55	39	30	
540	3	1	45	14	2	32	58	28	1	58	41	39	1	57	41	15	
560	3	3	46	59	2	35	0	13	2	0	43	24	1	59	43	0	
580	3	5	48	44	2	37	1	58	2	2	45	9	2	1	44	45	
600	3	7	50	29	2	39	3	43	2	4	46	54	2	3	46	30	
620	3	9	52	14	2	41	5	28	2	6	48	39	2	5	48	15	
640	3	11	53	59	2	43	7	13	2	8	50	24	2	7	50	0	
660	3	13	55	44	2	45	8	58	2	10	52	9	2	9	51	45	
680	3	15	57	29	2	47	10	43	2	12	53	54	2	11	53	30	
700	3	17	59	14	2	49	12	28	2	14	55	39	2	13	55	15	
720	3	20	0	59	2	51	14	13	2	16	57	24	2	15	57	0	
740	3	22	2	44	2	53	15	58	2	18	59	9	2	17	58	45	
760	3	24	4	29	2	55	17	43	2	20	0	54	2	20	0	30	

Tabula motus 8e spere in annis expansis

an	s	g	2	1
1	0	0	6	5
2	0	0	12	10
3	0	0	18	15
4	0	0	24	21
5	0	0	30	26
6	0	0	36	31
7	0	0	42	36
8	0	0	48	42
9	0	0	54	47
10	0	1	0	52
11	0	1	6	57
12	0	1	13	3
13	0	1	19	8
14	0	1	25	13
15	0	1	31	18
16	0	1	37	24
17	0	1	43	29
18	0	1	49	34
19	0	1	55	39
20	0	2	1	45

Tabula motus horarum magna et 2a decep

Hor.	g	m	2
1	0	2	30
2	0	5	0
3	0	7	30
4	0	10	0
5	0	12	30
6	0	15	0
7	0	17	30
8	0	20	0
9	0	22	30
10	0	25	0
11	0	27	30
12	0	30	0
13	0	32	30
14	0	35	0
15	0	37	30
16	0	40	0
17	0	42	30
18	0	45	0
19	0	47	30
20	0	50	0
21	0	52	30
22	0	55	0
23	0	57	30
24	1	0	0

Tabula notarum [feriarum] anni magni vel dierum concurrentium cyclorum volutorum

Litterae	1	2	3	4	Litterae	1	2	3	4
1	1	4	2	1	31	3	5	6	3
2	2	1	4	2	32	4	2	1	4
3	3	5	6	2	33	5	6	3	5
4	4	2	1	4	34	6	3	5	6
5	5	6	2	5	35	7	7	7	7
6	6	3	5	6	36	1	4	2	1
7	7	7	7	7	37	2	1	4	2
8	1	4	2	1	38	3	5	6	3
9	2	1	4	2	39	4	2	1	4
10	3	5	6	3	40	5	6	3	5
11	4	2	1	4	41	6	3	5	6
12	5	6	3	5	42	7	7	7	7
13	6	3	5	6	43	1	4	2	1
14	7	7	7	7	44	2	1	4	2
15	1	4	2	1	45	3	5	6	3
16	2	1	4	2	46	4	2	1	4
17	3	5	6	3	47	5	6	3	5
18	4	2	1	4	48	6	3	5	6
19	5	6	3	5	49	7	7	7	7
20	6	3	5	6	50	1	4	2	1
21	7	7	7	7	51	2	1	4	2
22	1	4	2	1	52	3	5	6	3
23	2	1	4	2	53	4	2	1	4
24	3	5	6	3	54	5	6	3	5
25	4	2	1	4	55	6	3	5	6
26	5	6	3	5	56	7	7	7	7
27	6	3	5	6	57	1	4	2	1
28	7	7	7	7	58	2	1	4	2
29	1	4	2	1	59	3	5	6	3
30	2	1	4	2	60	4	2	1	4

Tabula ad faciendum motum diei et suas fractiones per horas

Hore	D	m	2	Hore	m	2	3
1	0	2	30	31	1	17	30
2	0	5	0	32	1	20	0
3	0	7	30	33	1	22	30
4	0	10	0	34	1	25	0
5	0	12	30	35	1	27	30
6	0	15	0	36	1	30	0
7	0	17	30	37	1	32	30
8	0	20	0	38	1	35	0
9	0	22	30	39	1	37	0
10	0	25	0	40	1	40	0
11	0	27	30	41	1	42	30
12	0	30	0	42	1	45	0
13	0	32	30	43	1	47	30
14	0	35	0	44	1	50	0
15	0	37	30	45	1	52	30
16	0	40	0	46	1	55	0
17	0	42	30	47	1	57	30
18	0	45	0	48	2	0	0
19	0	47	30	49	2	2	30
20	0	50	0	50	2	5	0
21	0	52	30	51	2	7	30
22	0	55	0	52	2	10	0
23	0	57	30	53	2	12	30
24	1	0	0	54	2	15	0
25	1	2	30	55	2	17	30
26	1	5	0	56	2	20	0
27	1	7	30	57	2	22	30
28	1	10	0	58	2	25	0
29	1	12	30	59	2	27	30
30	1	15	0	60	2	30	0
m	m	2	2	m	m	2	2
2	2	3	4	2	2	3	4
3	3	4		3	3	4	
4	4			4	4		

Tabula ad faciendum horas et suas fractiones per dies et fractiones

D	h	m	D	h	m
1	0	24	31	12	24
2	0	48	32	12	48
3	1	12	33	13	12
4	1	36	34	13	36
5	2	0	35	14	0
6	2	24	36	14	24
7	2	48	37	14	48
8	3	12	38	15	12
9	3	36	39	15	36
10	4	0	40	16	0
11	4	24	41	16	24
12	4	48	42	16	48
13	5	12	43	17	12
14	5	36	44	17	36
15	6	0	45	18	0
16	6	24	46	18	24
17	6	48	47	18	48
18	7	12	48	19	12
19	7	36	49	19	36
20	8	0	50	20	0
21	8	24	51	20	24
22	8	48	52	20	48
23	9	12	53	21	12
24	9	36	54	21	36
25	10	0	55	22	0
26	10	24	56	22	24
27	10	48	57	22	48
28	11	12	58	23	12
29	11	36	59	23	36
30	12	0	60	24	0
m	h	m	m	h	m
2	m	2	2	m	2
3	2	3	3	2	3
4	3	4	4	3	

Radices motuum hic positorum ad eras hic positas

Radices motus octave spere ad eras hic positas

	S	G	M	2a
Diluuij	0	19	51	5
eius motus	3	3	47	12
philippi	4	52	34	27
eius motus	0	4	50	27
Nabuchodonosor	4	20	58	0
eius motus	0	4	50	27
Allexandri	4	54	12	7
eius motus	0	2	24	39
Cesaris	4	47	17	18
eius motus	0	0	27	57
Incarnationis	4	29	12	38
eius motus	0	0	7	27
Alhigere	0	31	10	25
eius motus	0	5	38	52
yesdagird	0	31	51	3
eius motus	0	5	52	57
Alphonsi	1	3	35	5
eius motus	0	8	5	1

Tabula radicum medii motus solis veneris et mercurii ad eras hic positas

	S	G	M	2a	3a	4a
Diluuij	4	21	~~33~~ 22		18	59
Nabuchodonosor	4	21	58	52	21	9
philippi	3	56	25	48	3	17
Allexandri	3	4	8	24	52	22
Cesaris	5	24	38	51	16	49 6
Alhigere	1	38	21	0	30	28
yesdagird	1	45	42	2	0	40
Alphonsi	1	26	10	19	11	0
Incarnationis	5	16	34	12	38	52
		38	21	0	30	28

Tabula radicum argumenti latitudinis ad eras hic positas

	S	G	M	2a	3a	4a
Diluuij	2	38	31	5	59	28
Nabuchodonosor	1	13	14	52	0	52
Allexandri	4	17	46	38	1	12
Cesaris	3	11	0	48	9	14
Incarnationis	3	38	52	52	46	39
Arabum	4	44	7	44	44	14
yesdagird	0	45	14	30	6	9
Alphonsi	2	32	5	7	3	0

Tabula radicum medii motus lune ad eras supra positas

	S	G	M	2a	3a	4a
Diluuij	5	54	59	53	42	3
Nabuchodonosor	0	28	56	53	18	42
Allexandri	2	8	21	1	0	28
Cesaris	1	48	27	20	23	44
~~Incarnationis~~	2	2	56	40	16	40
Alhigere	2	2	1	16	22	43
yesdagird	4	43	16	32	4	2
Alphonsi	4	24	4	21	11	55

Tabula radicum capitis draconis ad eras supra positas

	S	G	M	2a	3a
Diluuij	3	36	44	21	14
Nabuchodonosor	0	56	55	19	4
Allexandri	3	11	59	33	20
Cesaris	1	11	44	38	4
Incarnationis	1	31	44	42	51
Alhigere	3	43	20	37	41
yesdagird	1	4	18	48	21
Alphonsi	2	46	12	56	12

Tabula radicum augium solis et veneris sive motus octave spere ad eras supra positas

	S	G	M	2a
Diluuij	0	58	34	0
Nabuchodonosor	1	4	46	1
Allexandri	1	9	5	5
Cesaris	1	11	6	6
Incarnationis	1	11	27	23
Alhigere	1	17	49	18
yesdagird	1	16	3	53
Alphonsi	1	20	30	0

Tabula radicum medii motus argumenti lune ad eras supra positas

	S	G	M	2a	3a	4a
Diluuij	3	52	51	5	24	55
Nabuchodonosor	5	13	3	59	49	52
Allexandri	5	27	51	20	18	25
Cesaris	5	46	14	41	20	2
Incarnationis	3	19	0	18	31	14
Alhigere	1	54	41	21	52	28
yesdagird	5	45	42	23	3	50
Alphonsi	5	10	41	51	9	9

Tabula radicum medie elongacionis solis et lune ad eras

	S	G	M	2a	3a
Diluuij	4	56	26	10	43
Nabuchodonosor	4	45	48	0	45
Allexandri	5	49	12	39	18
Cesaris	3	16	40	39	4
Incarnationis	3	28	21	59	55
Alhigere	0	4	9	18	23
yesdagird	5	26	27	32	45
Alphonsi	5	19	28	18	33

Tabula radicum Saturni	S	G	m	2a	3a	4a
Diluvii	4	43	37	45	43	
Nabuchodonosor	4	16	38	55	55	
Alexandri	3	48	0	45	52	
Cesaris	5	29	9	12	23	
Incarnacionis	1	14	5	20	12	
Arabum	1	58	21	0	2	
Persarum	3	59	44	31	49	
Alphonsi	2	24	44	33	25	

Tabula radicis ad eras Mercurii	S	G	m	2a	3a
Diluvii	5	58	59	31	14
Nabuchodonosor	0	20	29	14	51
Alexandri	0	19	56	24	54
Cesaris	2	4	22	14	6
Incarnacionis	0	45	23	57	59
Arabum	1	13	26	14	22
Yesdagird	2	52	7	26	14
Alphonsi	3	33	48	38	56

Tabula augium ... motus	S	G	m	2a	3a
Diluvii	2	47	52	11	41
Nabuchodonosor	3	5	10	19	41
Alexandri	3	8	23	4	57
Cesaris	3	10	23	4	57
Incarnacionis	3	10	39	23	4
Arabum	3	17	13	31	58
Persarum	3	17	47	44	24
Alphonsi	3	19	51	11	41

Tabula radicis Jovis ad eras subscriptas	S	G	m	2a	3a	4a
Diluvii	5	21	2	3	59	
Nabuchodonosor	3	4	42	54	59	
Alexandri magni	1	30	19	7	57	
Cesaris	1	48	49	6	9	
Incarnacionis	3	0	37	20	44	
Arabum	5	31	43	9	52	
Yesdagird	4	22	58	19	10	
Alphonsi	0	16	16	17	13	

Tabula radicis augium Saturni sub motu octave sphere	S	G	m	2a	3a
Diluvii	3	23	30	20	41
Nabuchodonosor	3	47	54	28	41
Alexandri	3	21	6	29	45
Cesaris	3	53	6	26	57
Incarnacionis	3	53	22	42	4
Arabum	3	58	57	40	48
Persarum	3	58	2	3	28
Alphonsi	4	2	37	20	41

Tabula revolucionis ... anni

Diluvii	5
Nabuchodonosor	4
Philippi	2
Alexandri magni	2
Cesaris	1
Incarnacionis	7
Diocletiani	6
Arabum	5
Persarum	3
Alphonsi	7

Tabula radicis Martis ad eras subscriptas	S	G	m	2a	3a	4a
Diluvii	4	53	58	20	22	
Nabuchodonosor	0	3	2	11	59	
Alexandri magni	3	42	45	52	26	
Cesaris	5	27	21	44	31	
Incarnacionis	0	41	25	29	48	
Arabum	3	32	42	3	32	
Yesdagird	5	11	55	23	5	
Alphonsi	3	1	51	36	19	

Radix augium Jovis sub motu	S	G	m	2a	3a
Diluvii	2	10	38	41	49
Nabuchodonosor	2	28	40	41	7
Alexandri	2	31	41	45	19
Cesaris	2	33	14	57	20
Incarnacionis	2	33	37	0	4
Arabum	2	36	58	58	10
Persarum	2	40	21	28	15
Alphonsi	2	42	38	41	48

Tabula radicis augium Veneris	S	G	m	2a	3a
Diluvii	0	42	18	39	31
Nabuchodonosor	1	12	20	16	56
Alexandri	4	0	40	31	42
Cesaris	3	32	7	44	5
Incarnacionis	2	9	22	2	56
Arabum	0	47	41	17	16
Yesdagird	2	1	56	28	13
Alphonsi	0	45	41	55	19

Radix augium Martis	S	G	m	2a	3a
Diluvii	1	33	24	51	41
Nabuchodonosor	1	49	42	51	41
Alexandri	1	52	55	0	45
Cesaris	1	54	55	27	57
Incarnacionis	1	55	12	13	4
Arabum	1	59	40	11	58
Persarum	1	59	50	38	28
Alphonsi	2	4	23	51	41

Anni	S	2a	3a	4a	5a	6a
20	12	5	26	12	20	35
10	6	2	43	6	10	11
8	4	50	10	48	56	14
4	2	25	5	14	48	7
2	1	12	32	37	14	3
1	0	37	16	18	37	1
Menses						
8	0	29	10	52	24	41
6	0	18	8	9	18	30
4	0	12	5	46	12	20
3	0	9	4	4	39	15
2	0	6	2	43	6	10
1	0	3	1	21	33	5
Dies						
17	0	1	30	40	46	32
8	0	0	45	20	23	16
4	0	0	22	40	11	38
1	0	0	[illegible]	[illegible]	[illegible]	
Hore	0	0	5	40		
1	0	0	0	14	20	

Tabula revolucionum annorum [illegible] huius annorum expansorum et collectorum | Tabula revolucionum annorum in di[...] fraccionibus

anni	g	m	2a		anni	hore	m	2a	3a
					1	5	49	16	
1	87	19	6		2	11	38	32	
2	174	38	12		3	17	27	48	
3	261	57	18		4	23	17	4	
4	349	16	24		5	5	6	20	
5	76	35	30		6	10	55	36	
6	163	54	36		7	16	44	52	
7	251	13	42		8	22	34	8	
8	338	32	48		9	4	23	24	
9	65	51	54		10	10	12	40	
10	153	11	0		11	16	1	56	
11	240	30	6		12	21	51	12	
12	327	49	12		13	3	40	28	
13	55	8	18		14	9	29	44	
14	142	27	24		15	15	19	0	
15	229	46	30		16	21	8	16	
16	317	5	36		17	2	57	32	
17	44	24	42		18	8	46	48	
18	131	43	48		19	14	36	4	
19	219	2	54		20	20	25	20	
20	306	22	0		40	6	50	20	
40	252	44	0		60	13	16	0	
60	199	6	0		80	19	41	20	
80	145	28	0		100	6	6	40	
100	91	50	0		200	12	13	20	
200	183	40	0		300	18	20	0	
300	275	30	0		400	0	26	40	
400	7	20	0		500	6	33	20	
500	99	10	0		600	12	40	0	
600	191	0	0		700	18	46	40	
700	282	50	0		800	0	53	20	
800	14	40	0						

Tabula equacionis motus accessus et recessus [illegible] argumenti capitis Arietis seu octave spere

Equaciones				Equaciones				Equaciones			
gradus	G	M	2a	gradus	G	M	2a	gradus	G	M	2a
1	0	9	25	31	4	37	17	61	7	52	49
2	0	18	49	32	4	41	18	62	7	57	19
3	0	28	11	33	4	53	14	63	8	0	41
4	0	37	32	34	5	1	5	64	8	4	56
5	0	46	52	35	5	8	51	65	8	9	2
6	0	56	12	36	5	16	37	66	8	13	58
7	1	5	32	37	5	24	4	67	8	16	45
8	1	14	28	38	5	31	33	68	8	20	23
9	1	24	4	39	5	38	57	69	8	23	52
10	1	33	20	40	5	46	16	70	8	27	12
11	1	42	34	41	5	53	25	71	8	30	23
12	1	51	46	42	6	0	29	72	8	33	24
13	2	0	57	43	6	7	26	73	8	36	15
14	2	10	6	44	6	14	17	74	8	38	56
15	2	19	13	45	6	21	2	75	8	41	28
16	2	28	17	46	6	21	40	76	8	43	50
17	2	37	16	47	6	34	10	77	8	46	2
18	2	46	11	48	6	40	33	78	8	48	5
19	2	55	2	49	6	46	49	79	8	49	59
20	3	3	49	50	6	52	58	80	8	51	44
21	3	12	47	51	6	59	0	81	8	53	19
22	3	21	36	52	7	4	53	82	8	54	41
23	3	30	20	53	7	10	38	83	8	55	55
24	3	38	57	54	7	16	17	84	8	57	0
25	3	47	27	55	7	21	44	85	8	57	55
26	3	55	54	56	7	27	7	86	8	58	40
27	4	4	17	57	7	32	21	87	8	59	17
28	4	12	38	58	7	37	27	88	8	59	40
29	4	20	55	59	7	42	33	89	8	59	55
30	4	29	10	60	7	47	10	90	9	0	0

radix. 5 59 12 32 58 10 30 40

Tabula communis motus accessus et recessus octave spere

	1	2	3	4	5	6	7	8
1	0	0	0	0	30	24	49	0
2	0	0	0	1	0	49	38	0
3	0	0	0	1	31	14	27	0
4	0	0	0	2	1	39	16	0
5	0	0	0	2	32	4	5	0
6	0	0	0	3	2	28	54	0
7	0	0	0	3	32	53	43	0
8	0	0	0	4	3	18	32	0
9	0	0	0	4	33	43	21	0
10	0	0	0	5	4	8	10	0
11	0	0	0	5	34	32	59	0
12	0	0	0	6	4	57	48	0
13	0	0	0	6	35	22	37	0
14	0	0	0	7	5	47	26	0
15	0	0	0	7	36	12	15	0
16	0	0	0	8	6	37	4	0
17	0	0	0	8	37	1	53	0
18	0	0	0	9	7	26	42	0
19	0	0	0	9	37	51	31	0
20	0	0	0	10	8	16	20	0
21	0	0	0	10	38	41	9	0
22	0	0	0	11	9	5	58	0
23	0	0	0	11	39	30	47	0
24	0	0	0	12	9	55	36	0
25	0	0	0	12	40	20	25	0
26	0	0	0	13	10	45	14	0
27	0	0	0	13	41	10	3	0
28	0	0	0	14	11	34	52	0
29	0	0	0	14	41	59	41	0
30	0	0	0	15	12	24	30	0

cy	g	m	2	3
2	cy	2	3	
3	2	3		
4	3			

	1	2	3	4	5	6	7	8
31	0	0	0	15	42	49	19	0
32	0	0	0	16	13	14	8	0
33	0	0	0	16	43	38	57	0
34	0	0	0	17	14	3	46	0
35	0	0	0	17	44	28	35	0
36	0	0	0	18	14	53	24	0
37	0	0	0	18	45	18	13	0
38	0	0	0	19	15	43	2	0
39	0	0	0	19	46	7	51	0
40	0	0	0	20	16	32	40	0
41	0	0	0	20	46	57	29	0
42	0	0	0	21	17	22	18	0
43	0	0	0	21	47	47	7	0
44	0	0	0	22	18	11	56	0
45	0	0	0	22	48	36	45	0
46	0	0	0	23	19	1	34	0
47	0	0	0	23	49	26	23	0
48	0	0	0	24	19	51	12	0
49	0	0	0	24	50	16	1	0
50	0	0	0	25	20	40	50	0
51	0	0	0	25	51	5	39	0
52	0	0	0	26	21	30	28	0
53	0	0	0	26	51	55	17	0
54	0	0	0	27	22	20	6	0
55	0	0	0	27	52	44	55	0
56	0	0	0	28	23	9	44	0
57	0	0	0	28	53	34	33	0
58	0	0	0	29	23	59	22	0
59	0	0	0	29	54	24	11	0
60	0	0	0	30	24	49	0	0

cy	g	m	2	3
2	m	2	3	
3	2	3		
4	3			

Tabla Contines Motu Augium et Stellarum firmamenti

	1	2	3	4	5						
1	0	0	0	0	4	20	41	17	12	26	30
2	0	0	0	0	8	41	22	34	24	53	0
3	0	0	0	0	13	2	3	51	37	20	30
4	0	0	0	0	17	22	45	8	49	46	0
5	0	0	0	0	21	43	26	26	2	13	30
6	0	0	0	0	26	4	7	43	14	40	0
7	0	0	0	0	30	24	49	0	27	6	30
8	0	0	0	0	34	45	30	17	39	33	0
9	0	0	0	0	39	6	11	34	51	59	30
10	0	0	0	0	43	26	52	52	4	26	0
11	0	0	0	0	47	47	34	9	16	53	30
12	0	0	0	0	52	8	15	26	29	19	0
13	0	0	0	0	56	28	56	43	41	46	30
14	0	0	0	1	0	49	38	0	54	13	0
15	0	0	0	1	5	10	19	18	6	39	30
16	0	0	0	1	9	31	0	35	19	6	0
17	0	0	0	1	13	51	41	52	31	32	30
18	0	0	0	1	18	12	23	9	43	59	0
19	0	0	0	1	22	33	4	26	56	36	30
20	0	0	0	1	26	55	45	44	8	22	0
21	0	0	0	1	11	14	27	1	21	19	30
22	0	0	0	1	35	35	8	18	33	47	0
23	0	0	0	1	39	55	49	35	46	12	30
24	0	0	0	1	44	16	30	52	58	39	0
25	0	0	0	1	48	37	12	10	11	5	30
26	0	0	0	1	52	57	53	27	23	32	0
27	0	0	0	1	57	18	34	44	35	59	30
28	0	0	0	2	1	39	16	1	48	27	0
29	0	0	0	2	5	59	57	19	0	53	30
30	0	0	0	2	10	20	38	36	13	18	0
31	0	0	0	2	14	41	19	52	24	41	30
32	0	0	0	2	19	2	3	10	38	12	0
33	0	0	0	2	23	22	44	27	50	38	30
34	0	0	0	2	27	43	23	45	3	5	0
35	0	0	0	2	32	4	5	2	15	32	30
36	0	0	0	2	36	24	46	19	27	58	0
37	0	0	0	2	40	45	27	36	40	24	30
38	0	0	0	2	45	6	8	53	52	51	0
39	0	0	0	2	49	26	50	11	18	5	30
40	0	0	0	2	53	47	31	28	10	49	0
41	0	0	0	2	58	8	12	45	30	11	30
42	0	0	0	2	2	28	54	2	32	38	0
43	0	0	0	3	6	49	35	19	55	4	30
44	0	0	0	3	11	10	16	37	7	31	0
45	0	0	0	3	15	30	37	54	19	58	30
46	0	0	0	3	19	51	39	11	39	24	0
47	0	0	0	3	24	12	20	28	44	41	30
48	0	0	0	3	28	33	1	45	57	17	0
49	0	0	0	3	32	53	43	30	9	44	30
50	0	0	0	3	37	14	24	20	22	11	0
51	0	0	0	3	41	35	5	27	24	37	30
52	0	0	0	3	45	55	46	54	47	40	0
53	0	0	0	3	50	16	28	11	59	30	30
54	0	0	0	3	54	37	9	29	11	57	0
55	0	0	0	3	58	57	50	46	24	24	30
56	0	0	0	4	3	18	32	3	36	50	0
57	0	0	0	4	7	39	13	20	49	16	30
58	0	0	0	4	11	59	54	38	1	44	0
59	0	0	0	4	16	20	35	55	14	10	30
60	0	0	0	4	20	41	17	12	26	30	0

s	g	m	2	3
g	s	2	3	
2	2	3		
3	3			
4	3			

s	g	m	2	3
2	s	2	3	
3	2	3		
4	3			

Caput s 4 g 38 m 17 2 27 3 35 4 30 5 15 6 38 47

Tabula Medii motus Solis

	s 1	g 2	m 3	2 4	3	4	5		
1	0	0	59	8	19	37	19	13	56
2	0	1	58	16	39	14	38	27	52
3	0	2	57	24	58	51	57	41	48
4	0	3	56	33	18	29	16	55	44
5	0	4	55	41	38	6	36	9	40
6	0	5	54	49	57	43	55	23	37
7	0	6	53	58	17	21	14	37	34
8	0	7	53	6	36	58	33	51	30
9	0	8	52	14	56	35	53	5	26
10	0	9	51	23	16	13	12	19	20
11	0	10	50	31	35	50	31	33	18
12	0	11	49	39	55	27	50	47	15
13	0	12	48	48	15	5	10	1	11
14	0	13	47	56	34	42	29	15	7
15	0	14	47	4	54	19	48	29	3
16	0	15	46	13	13	57	7	43	0
17	0	16	45	21	33	34	26	56	56
18	0	17	44	29	53	11	46	10	52
19	0	18	43	38	12	49	5	24	48
20	0	19	42	46	33	26	24	38	44
21	0	20	41	54	52	3	43	52	40
22	0	21	41	3	11	41	3	6	37
23	0	22	40	11	31	18	22	20	33
24	0	23	39	19	50	55	41	34	29
25	0	24	38	28	10	33	0	48	26
26	0	25	37	36	30	10	20	2	22
27	0	26	36	44	49	47	39	16	18
28	0	27	35	53	9	24	58	30	14
29	0	28	35	1	29	2	17	44	11
30	0	29	34	9	48	39	36	58	7

g	s	m	2	3
2	m	2	3
3	2	3	
4	3		

	1	2	3	4	5				
31	0	30	33	18	8	16	56	12	3
32	0	31	32	26	27	54	15	26	0
33	0	32	31	34	47	31	34	39	56
34	0	33	30	43	7	8	53	53	52
35	0	34	29	51	26	46	13	7	46
36	0	35	28	59	46	23	22	21	36
37	0	36	28	8	6	0	51	35	40
38	0	37	27	16	25	38	10	49	36
39	0	38	26	24	45	17	30	3	32
40	0	39	25	33	4	52	49	17	29
41	0	40	24	41	24	30	8	31	25
42	0	41	23	49	44	7	21	45	21
43	0	42	22	58	3	44	48	59	18
44	0	43	22	6	23	22	6	13	14
45	0	44	21	14	42	59	27	27	10
46	0	45	20	22	2	36	44	41	6
47	0	46	19	31	22	14	3	55	3
48	0	47	18	39	41	51	23	8	59
49	0	48	17	48	1	28	42	22	55
50	0	49	16	56	21	6	1	36	51
51	0	50	16	4	40	43	20	50	47
52	0	51	15	13	0	20	40	4	44
53	0	52	14	21	19	57	59	18	40
54	0	53	13	29	39	35	18	32	36
55	0	54	12	37	59	12	37	46	32
56	0	55	11	46	18	49	57	0	29
57	0	56	10	54	38	27	16	14	25
58	0	57	10	2	58	4	35	28	21
59	0	58	9	11	17	41	54	42	17
60	0	59	8	19	37	19	13	56	13

g	s	m	2	3
2	m	2	3	
3	2	3		
4	3			

Canc[er] s 2 g 1 m 59 2 24 3 10 4 35 5 29 6 20 7 9

Tabula continens medium Motum ~~argumenti~~ lune

		1	2	3	4				
1	0	13	10	35	1	15	11	4	35
2	0	26	21	10	2	30	22	9	10
3	0	39	31	45	3	45	33	13	45
4	0	52	42	20	5	0	44	18	20
5	1	5	52	55	6	15	55	22	55
6	1	19	3	30	7	31	6	27	30
7	1	32	14	5	8	46	17	32	5
8	1	45	24	40	10	1	28	36	40
9	1	58	35	15	11	16	39	41	15
10	2	11	45	50	12	31	50	45	50
11	2	24	56	25	13	47	1	50	25
12	2	38	7	0	15	2	12	55	0
13	2	51	17	35	16	17	23	59	35
14	3	4	28	10	17	32	35	4	10
15	3	17	38	45	18	47	46	8	45
16	3	30	49	20	20	2	57	13	20
17	3	43	59	55	21	18	8	17	55
18	3	57	10	30	22	33	19	22	30
19	4	10	21	5	23	48	30	27	5
20	4	23	31	40	25	3	41	31	40
21	4	36	42	15	26	18	52	36	15
22	4	49	52	50	27	34	3	40	50
23	5	3	3	25	28	49	14	45	25
24	5	16	14	0	30	4	25	50	0
25	5	29	24	35	31	19	36	54	35
26	5	42	35	10	32	34	47	59	10
27	5	55	45	45	33	49	59	3	45
28	6	8	56	20	35	5	10	8	20
29	6	22	6	55	36	20	21	12	55
30	6	35	17	30	37	35	32	17	30

m	S	m	2	3	
2	m	2	3		
3	2	3			
4	3				

	·	1	2	3	4	5			
31	6	48	28	5	38	50	43	22	5
32	7	1	38	40	40	5	54	26	40
33	7	14	49	15	41	21	5	31	15
34	7	27	59	50	42	36	16	35	50
35	7	41	10	25	43	51	27	40	25
36	7	54	21	0	45	6	38	45	0
37	8	7	31	35	46	21	49	49	35
38	8	20	42	10	47	37	0	54	10
39	8	33	52	45	48	52	11	58	45
40	8	47	3	20	50	7	53	3	20
41	9	0	13	55	51	22	34	7	55
42	9	13	24	30	52	37	44	12	30
43	9	26	35	5	53	52	56	17	5
44	9	39	45	40	55	8	7	21	40
45	9	52	56	15	56	33	18	26	15
46	10	6	6	50	57	38	20	30	50
47	10	19	17	25	58	53	40	35	25
48	10	32	28		0	8	21	40	0
49	10	45	38	26	1	24	2	44	35
50	10	58	49	11	2	39	13	49	10
51	11	11	59	46	3	54	24	53	45
52	11	25	10	21	5	9	35	58	20
53	11	38	20	56	6	24	41	2	55
54	11	51	31	31	7	39	58	7	30
55	12	4	42	6	8	55	9	12	5
56	12	17	52	41	10	10	20	16	40
57	12	31	3	16	11	25	31	21	15
58	12	44	13	51	12	40	42	25	50
59	12	57	24	26	13	55	53	30	25
60	13	10	35	1	15	11	4	35	0

m	S	m	2	3
2	m	2	3	
3	2	3		
4	3			

Cancri 3 18 13 12 29 1 58 44 10

Tabula continens medium argumentum lune

	1	2	3	4					
1	0	13	3	53	57	30	21	4	13
2	0	26	7	47	55	0	42	8	26
3	0	39	11	41	52	31	3	12	39
4	0	52	15	35	50	1	24	16	52
5	1	5	19	29	47	31	45	21	5
6	1	18	23	23	45	2	6	26	18
7	1	31	27	17	42	32	27	29	31
8	1	44	31	11	40	2	48	33	44
9	1	57	35	5	37	33	9	37	57
10	2	10	38	59	35	3	30	42	10
11	2	23	42	53	32	33	51	46	23
12	2	36	46	47	30	4	12	50	36
13	2	49	50	41	27	34	33	54	49
14	3	2	54	35	25	4	54	59	2
15	3	15	58	29	22	35	16	3	15
16	3	29	2	23	20	5	37	7	28
17	3	42	6	17	17	35	58	11	41
18	3	55	10	11	15	6	19	15	54
19	4	8	14	5	12	36	40	20	7
20	4	21	17	59	10	7	1	24	20
21	4	34	21	53	7	37	22	28	33
22	4	47	25	47	5	7	43	32	46
23	5	0	29	41	2	38	4	36	59
24	5	13	33	35	0	8	25	41	12
25	5	26	37	28	57	38	46	45	25
26	5	39	41	22	55	9	7	49	38
27	5	52	45	16	52	39	28	53	51
28	6	5	49	10	50	9	49	58	4
29	6	18	53	4	47	40	11	2	17
30	6	31	56	58	45	10	32	6	30

s g m 2 3
2 m 2 3
3 2 3
4 3

1	1	2	3	4					
31	6	45	0	52	42	40	53	10	43
32	6	58	4	46	40	11	14	14	56
33	7	11	8	40	37	41	35	19	9
34	7	24	12	34	35	11	56	23	22
35	7	37	16	28	32	42	17	27	35
36	7	50	20	22	30	12	38	31	48
37	8	3	24	16	27	42	59	36	1
38	8	16	28	10	25	13	20	40	14
39	8	29	32	4	22	43	41	44	27
40	8	42	35	58	20	14	2	48	40
41	8	55	39	52	17	44	23	52	53
42	9	8	43	46	15	14	44	57	6
43	9	21	47	40	12	45	6	1	19
44	9	34	51	34	10	15	27	5	32
45	9	47	55	28	7	45	48	9	45
46	10	0	59	22	5	16	9	13	58
47	10	14	3	16	2	46	30	18	11
48	10	27	7	10	0	16	51	22	24
49	10	40	11	3	57	47	12	26	37
50	10	53	14	57	55	17	33	30	50
51	11	6	18	51	52	47	54	35	3
52	11	19	22	45	50	18	15	39	16
53	11	32	26	39	47	48	36	43	29
54	11	45	30	33	45	18	57	47	42
55	11	58	34	27	42	49	18	51	55
56	12	11	38	21	40	19	39	56	8
57	12	24	42	15	37	50	1	0	21
58	12	37	46	9	35	20	22	4	34
59	12	50	50	3	32	50	42	8	47
60	13	3	53	57	30	21	4	12	0

s g m 2 3
2 m 2 3
3 2 3
4 3

15

	s	g	m	2	3	4	5	6	7
Grad	3	33	55	5	25	17	15	14	47

Tabula medii motus arg^ti latitudinis lune

	1	2	3	4					
1	0	13	13	45	39	22	25	53	45
2	0	26	27	31	18	44	51	47	30
3	0	39	41	16	58	7	17	41	15
4	0	52	55	2	37	29	43	35	0
5	1	6	8	48	16	52	9	28	45
6	1	19	22	33	56	14	35	22	30
7	1	32	36	19	35	37	1	16	15
8	1	45	50	5	14	59	27	10	0
9	1	59	3	50	54	21	53	3	45
10	2	12	17	36	33	44	18	57	30
11	2	25	31	22	13	6	44	51	15
12	2	38	45	7	52	29	10	45	0
13	2	51	58	53	31	51	36	38	45
14	3	5	12	39	11	14	2	32	30
15	3	18	26	24	50	36	28	26	15
16	3	31	40	10	29	58	54	20	0
17	3	44	53	56	9	21	20	13	45
18	3	58	7	41	48	43	46	7	30
19	4	11	21	27	28	6	12	1	15
20	4	24	35	13	7	28	37	55	0
21	4	37	48	58	46	51	3	48	45
22	4	51	2	44	26	13	29	42	30
23	5	4	16	30	5	35	55	36	15
24	5	17	30	15	44	58	21	30	0
25	5	30	44	1	24	20	47	23	45
26	5	43	57	47	3	43	13	17	30
27	5	57	11	32	43	5	29	11	15
28	6	10	25	18	22	28	5	5	0
29	6	23	39	4	1	50	30	58	45
30	6	36	52	49	41	12	56	52	30

s g m 2 3
2 m 2 3
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	1	2	3	4					
31	6	50	6	35	20	35	22	46	15
32	7	3	20	20	59	57	48	40	0
33	7	16	34	6	39	20	14	33	45
34	7	29	47	52	18	42	40	27	30
35	7	43	1	37	58	5	6	21	15
36	7	56	15	23	37	27	32	15	0
37	8	9	29	9	16	49	58	8	45
38	8	22	42	54	56	12	24	2	30
39	8	35	56	40	35	34	49	56	15
40	8	49	10	26	14	57	15	50	0
41	9	2	24	11	54	19	41	43	45
42	9	15	37	57	33	42	7	37	30
43	9	28	51	43	13	4	33	31	15
44	9	42	5	28	52	26	59	25	0
45	9	55	19	14	31	49	25	18	45
46	10	8	33	0	11	11	51	12	30
47	10	21	46	45	50	34	17	6	15
48	10	35	0	31	29	56	43	0	0
49	10	48	14	17	9	19	8	53	45
50	11	1	28	2	48	41	34	47	30
51	11	14	41	48	28	4	0	41	15
52	11	27	55	34	7	26	26	35	0
53	11	41	9	19	46	48	52	28	45
54	11	54	23	5	26	11	18	22	30
55	12	7	36	51	5	33	44	16	15
56	12	20	50	36	44	56	10	10	0
57	12	34	4	22	24	18	36	3	45
58	12	47	18	8	3	41	1	57	30
59	13	0	31	53	43	3	27	51	15
60	13	13	45	39	22	25	53	45	0

s g m 2 3
2 m 2 3
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Tabula medii motus Capitis draconis

	1	2	3	4					
1	0	0	3	10	38	7	14	49	10
2	0	0	6	21	16	14	29	38	20
3	0	0	9	31	54	21	44	27	30
4	0	0	12	42	32	28	59	16	40
5	0	0	15	53	10	36	14	5	50
6	0	0	19	3	48	43	28	55	0
7	0	0	22	14	26	50	43	44	10
8	0	0	25	25	4	57	58	33	20
9	0	0	28	35	43	5	13	22	30
10	0	0	31	46	21	12	28	11	40
11	0	0	34	56	59	19	43	0	50
12	0	0	38	7	37	26	57	50	0
13	0	0	41	18	15	34	12	39	10
14	0	0	44	28	53	41	27	28	20
15	0	0	47	39	31	48	42	17	30
16	0	0	50	50	9	55	57	6	40
17	0	0	54	0	48	3	11	55	50
18	0	0	57	11	26	10	26	45	0
19	0	1	0	22	4	17	41	34	10
20	0	1	3	32	42	24	56	23	20
21	0	1	6	43	20	32	11	12	30
22	0	1	9	53	58	39	26	1	40
23	0	1	13	4	36	46	40	50	50
24	0	1	16	15	14	53	55	40	0
25	0	1	19	25	53	1	10	29	10
26	0	1	22	36	31	8	25	18	20
27	0	1	25	47	9	15	40	7	30
28	0	1	28	57	47	22	54	56	40
29	0	1	32	8	25	30	9	45	50
30	0	1	35	19	3	37	24	35	0
31	0	1	38	29	41	44	39	24	10
32	0	1	41	40	19	51	54	13	20
33	0	1	44	50	57	59	9	2	30
34	0	1	48	1	36	6	23	51	40
35	0	1	51	12	14	13	38	40	50
36	0	1	54	22	52	20	53	30	0
37	0	1	57	33	30	28	8	19	10
38	0	2	0	44	8	35	23	8	20
39	0	2	3	54	46	42	37	57	30
40	0	2	7	5	24	49	52	46	40
41	0	2	10	16	2	57	7	35	50
42	0	2	13	26	41	4	22	25	0
43	0	2	16	37	19	11	37	14	10
44	0	2	19	47	57	18	52	3	20
45	0	2	22	58	35	26	6	52	30
46	0	2	26	9	13	33	21	41	40
47	0	2	29	10	51	40	36	30	50
48	0	2	32	30	29	47	51	20	0
49	0	2	35	41	7	55	6	9	10
50	0	2	38	51	46	2	20	58	20
51	0	2	42	2	24	9	35	47	30
52	0	2	45	13	2	16	50	36	40
53	0	2	48	23	40	24	5	25	50
54	0	2	51	34	18	31	20	15	0
55	0	2	54	44	56	38	35	4	10
56	0	2	57	55	34	45	49	53	20
57	0	3	1	6	12	53	4	42	30
58	0	3	4	16	51	0	19	31	40
59	0	3	7	27	29	7	34	20	50
60	0	3	10	38	7	14	49	10	0

S g m 2 3
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S g m 2 3
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Tabula medii motus lune in elongatione sua a sole

	1	2	3	4					
1	0	12	11	26	41	37	51	50	39
2	0	24	22	53	23	15	43	41	18
3	0	36	34	20	4	53	35	31	57
4	0	48	45	46	46	31	27	22	36
5	1	0	57	13	28	9	19	13	15
6	1	13	8	40	9	47	11	3	54
7	1	25	20	6	51	25	2	54	33
8	1	37	31	33	33	2	54	45	12
9	1	49	43	0	14	40	46	35	51
10	2	1	54	26	56	18	38	26	30
11	2	14	5	53	37	56	30	17	9
12	2	26	17	20	19	34	22	7	48
13	2	38	28	47	1	12	13	58	27
14	2	50	40	13	42	50	5	49	6
15	3	2	51	40	24	27	57	39	45
16	3	15	3	7	6	5	49	30	24
17	3	27	14	33	47	43	41	21	3
18	3	39	26	0	29	21	33	11	42
19	3	51	37	27	10	59	25	2	21
20	4	3	48	53	52	37	16	53	0
21	4	16	0	20	34	15	8	43	39
22	4	28	11	47	15	53	0	34	18
23	4	40	23	13	57	30	52	24	57
24	4	52	34	40	39	8	44	15	36
25	5	4	46	7	20	46	36	6	15
26	5	16	57	34	3	24	27	56	54
27	5	29	9	0	44	2	19	47	33
28	5	41	20	27	25	40	11	38	12
29	5	53	31	54	7	18	3	28	51
30	6	5	43	20	48	55	55	19	30
31	6	17	54	47	30	33	47	10	9
32	6	30	6	14	12	11	39	0	48
33	6	42	17	40	53	49	30	51	27
34	6	54	29	7	35	27	22	42	6
35	7	6	40	34	17	5	14	32	45
36	7	18	52	0	58	43	6	23	24
37	7	31	3	27	40	20	58	14	3
38	7	43	14	54	21	58	50	4	42
39	7	55	26	21	3	36	41	55	21
40	8	7	37	47	45	14	33	46	0
41	8	19	49	14	26	52	25	36	39
42	8	32	0	41	8	30	17	27	18
43	8	44	12	7	50	8	9	17	57
44	8	56	23	34	31	46	1	8	36
45	9	8	35	1	13	23	52	59	15
46	9	20	46	27	55	1	44	49	54
47	9	32	57	54	36	39	36	40	33
48	9	45	9	21	18	17	28	31	12
49	9	57	20	47	59	55	20	21	51
50	10	9	32	14	41	33	12	12	30
51	10	21	43	41	23	11	4	3	9
52	10	33	55	8	4	48	55	53	48
53	10	46	6	34	46	26	47	44	27
54	10	58	18	1	28	4	39	35	6
55	11	10	29	28	9	42	31	25	45
56	11	22	40	54	51	20	23	16	24
57	11	34	52	21	32	58	15	7	3
58	11	47	3	48	14	36	6	57	42
59	11	59	15	14	56	13	58	48	21
60	12	11	26	41	37	51	50	39	0
d	S	g	m						

d S g m
[illegible] g m 2 3
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Cancri 1 45 12 57 52 56 22 45

Tabula medii motus Saturni

	1	2	3	4					
1	0	0	2	0	35	17	40	21	0
2	0	0	4	1	10	35	20	42	
3	0	0	6	1	45	53	1	3	
4	0	0	8	2	21	10	41	24	
5	0	0	10	2	56	28	21	45	
6	0	0	12	3	31	46	2	6	
7	0	0	14	4	7	3	42	27	
8	0	0	16	4	42	21	22	48	
9	0	0	18	5	17	39	3	9	
10	0	0	20	5	52	56	43	30	
11	0	0	22	6	28	14	23	51	
12	0	0	24	7	3	32	4	12	
13	0	0	26	7	38	49	44	33	
14	0	0	28	8	14	7	24	54	
15	0	0	30	8	49	25	5	15	
16	0	0	32	9	24	42	45	36	
17	0	0	34	10	0	0	25	57	
18	0	0	36	10	35	18	6	18	
19	0	0	38	11	10	35	46	39	
20	0	0	40	11	45	53	27	0	
21	0	0	42	12	21	11	7	21	
22	0	0	44	12	56	28	47	42	
23	0	0	46	13	31	46	28	3	
24	0	0	48	14	7	4	8	24	
25	0	0	50	14	42	21	48	45	
26	0	0	52	15	17	39	29	6	
27	0	0	54	15	52	57	9	27	
28	0	0	56	16	28	14	49	48	
29	0	0	58	17	3	32	30	9	
30	0	1	0	17	38	50	10	30	0
31	0	1	2	18	14	7	50	51	0
32	0	1	4	18	49	25	31	12	
33	0	1	6	19	24	43	11	33	
34	0	1	8	20	0	0	51	54	
35	0	1	10	20	35	18	32	15	
36	0	1	12	21	10	36	12	36	
37	0	1	14	21	45	53	52	57	
38	0	1	16	22	21	11	33	18	
39	0	1	18	22	56	29	13	39	
40	0	1	20	23	31	46	54	0	
41	0	1	22	24	7	4	34	21	
42	0	1	24	24	42	22	14	42	
43	0	1	26	25	17	39	55	3	
44	0	1	28	25	52	57	35	24	
45	0	1	30	26	28	15	15	45	
46	0	1	32	27	3	32	56	6	
47	0	1	34	27	38	50	36	27	
48	0	1	36	28	14	8	16	48	
49	0	1	38	28	49	25	57	9	
50	0	1	40	29	24	43	37	30	
51	0	1	42	30	0	1	17	51	
52	0	1	44	30	35	18	58	12	
53	0	1	46	31	10	36	38	33	
54	0	1	48	31	45	54	18	54	
55	0	1	50	32	21	11	59	15	
56	0	1	52	32	56	29	39	36	
57	0	1	54	33	31	47	19	57	
58	0	1	56	34	7	5	0	18	
59	0	1	58	34	42	22	40	39	
60	0	2	0	35	17	40	21	0	0

S g m 2 3
2 m 2 3
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S g m 2 3
2 m 2 3
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17

Tabula medij motus Jouis

pro … data

	1	2	3	4					
1	0	0	4	59	15	27	7	23	50
2	0	0	9	58	30	54	14	47	40
3	0	0	14	57	46	21	22	11	30
4	0	0	19	57	1	48	29	35	20
5	0	0	24	56	17	15	36	59	10
6	0	0	29	55	32	42	44	23	0
7	0	0	34	54	48	9	51	46	50
8	0	0	39	54	3	36	59	10	40
9	0	0	44	53	19	4	6	34	30
10	0	0	49	52	34	31	13	58	20
11	0	0	54	51	49	58	21	22	10
12	0	0	59	51	5	25	28	46	0
13	0	1	4	50	20	52	36	9	50
14	0	1	9	49	36	19	43	33	40
15	0	1	14	48	51	46	50	57	30
16	0	1	19	48	7	13	58	21	20
17	0	1	24	47	22	41	5	45	10
18	0	1	29	46	38	8	13	9	0
19	0	1	34	~~45~~	53	35	20	32	50
20	0	1	39	45	9	2	27	56	40
21	0	1	44	44	24	29	35	20	30
22	0	1	49	43	39	56	42	44	20
23	0	1	54	42	55	23	50	8	10
24	0	1	59	42	10	50	57	32	0
25	0	2	4	41	26	18	4	55	50
26	0	2	9	40	41	45	12	19	40
27	0	2	14	39	57	12	19	43	30
28	0	2	19	39	12	39	27	7	20
29	0	2	24	38	28	6	34	31	10
30	0	2	29	37	43	33	41	55	0

09 S m 2 3
2 m 2 3
3 2 3
4 3 4

	1	2	3	4						
31	0	2	34	36	59	0	49	18	50	36
32	0	2	39	36	14	27	56	42	40	36
33	0	2	44	35	29	55	4	6	30	35
34	0	2	49	34	45	22	11	30	20	34
35	0	2	54	34	0	49	18	54	10	34
36	0	2	59	33	16	16	26	18	0	33
37	0	3	4	32	31	43	33	41	50	33
38	0	3	9	31	47	10	41	5	40	31
39	0	3	14	30	2	37	48	29	30	31
40	0	3	19	29	18	4	55	53	20	30
41	0	3	24	29	33	32	3	17	10	29
42	0	3	29	28	48	59	10	41	0	28
43	0	3	34	28	4	26	18	4	50	28
44	0	3	39	27	19	53	25	28	40	27
45	0	3	44	26	35	20	32	52	30	26
46	0	3	49	25	50	47	40	16	20	25
47	0	3	54	25	6	14	47	40	10	25
48	0	3	59	24	21	41	55	4	0	24
49	0	4	4	23	37	9	2	27	50	23
50	0	4	9	22	52	36	9	51	40	22
51	0	4	14	21	8	3	17	15	30	22
52	0	4	19	20	23	30	24	39	20	21
53	0	4	24	20	38	57	32	3	10	20
54	0	4	29	19	54	24	39	27	0	19
55	0	4	34	19	9	51	46	50	50	19
56	0	4	39	18	25	18	54	14	40	18
57	0	4	44	17	40	46	1	38	30	17
58	0	4	49	16	56	13	9	2	20	16
59	0	4	54		11	40	16	26	10	16
60	0	4	59		27	7	23	50	0	17

09 S m 2 3
2 m 2 3
3 2 3
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Tabula medii motus Martis

	1	2	3	4				
1	0	0	31	26	38	40	5	0
2	0	1	2	53	17	20	10	0
3	0	1	34	19	56	0	15	0
4	0	2	5	46	34	40	20	0
5	0	2	37	13	13	20	25	0
6	0	3	8	39	52	0	30	0
7	0	3	40	6	30	40	35	0
8	0	4	11	33	9	20	40	0
9	0	4	42	59	48	0	45	0
10	0	5	14	26	26	40	50	0
11	0	5	45	53	5	20	55	0
12	0	6	17	19	44	1	0	0
13	0	6	48	46	22	41	5	0
14	0	7	20	13	1	21	10	0
15	0	7	51	39	40	1	15	0
16	0	8	23	6	18	41	20	0
17	0	8	54	32	57	21	25	0
18	0	9	25	59	36	1	30	0
19	0	9	57	26	14	41	35	0
20	0	10	28	52	53	21	40	0
21	0	11	0	19	32	1	45	0
22	0	11	31	46	10	41	50	0
23	0	12	3	12	49	21	55	0
24	0	12	34	39	28	2	0	0
25	0	13	6	6	6	42	5	0
26	0	13	37	32	45	22	10	0
27	0	14	8	59	24	2	15	0
28	0	14	40	26	2	42	20	0
29	0	15	11	52	41	22	25	0
30	0	15	43	19	20	2	30	0
31	0	16	14	45	58	42	35	0
32	0	16	46	12	37	22	40	0
33	0	17	17	39	16	2	45	0
34	0	17	49	5	54	42	50	0
35	0	18	20	32	33	22	55	0
36	0	18	51	59	12	3	0	0
37	0	19	23	25	50	43	5	0
38	0	19	54	52	29	23	10	0
39	0	20	26	19	8	3	15	0
40	0	20	57	45	46	43	20	0
41	0	21	29	12	25	23	25	0
42	0	22	0	39	4	3	30	0
43	0	22	32	5	42	43	35	0
44	0	23	3	32	21	23	40	0
45	0	23	34	59	0	3	45	0
46	0	24	6	25	38	43	50	0
47	0	24	37	52	17	23	55	0
48	0	25	9	18	56	4	0	0
49	0	25	40	45	34	44	5	0
50	0	26	12	12	13	24	10	0
51	0	26	43	38	52	4	15	0
52	0	27	15	5	30	44	20	0
53	0	27	46	32	9	24	25	0
54	0	28	17	58	48	4	30	0
55	0	28	49	25	26	44	35	0
56	0	29	20	52	5	24	40	0
57	0	29	52	18	44	4	45	0
58	0	30	23	45	22	44	50	0
59	0	30	55	12	1	24	55	0
60	0	31	26	38	40	5	0	0

ꝏ 5 m 2 3
2 m 2 3
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ꝏ 5 m 2 3
2 m 2 3
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Tabula argumenti Veneris

	1	2	3	4				
1	0	0	36	59	27	23	59	31
2	0	1	13	58	54	47	59	2
3	0	1	50	58	22	11	58	33
4	0	2	27	57	49	35	58	4
5	0	3	4	57	16	59	57	35
6	0	3	41	56	43	23	57	6
7	0	4	18	56	11	47	56	37
8	0	4	55	55	39	11	56	8
9	0	5	32	55	6	35	55	39
10	0	6	9	54	33	59	55	10
11	0	6	46	54	1	23	54	41
12	0	7	23	53	28	47	54	12
13	0	8	0	53	56	11	53	43
14	0	8	37	52	23	35	53	14
15	0	9	14	51	50	59	52	45
16	0	9	51	51	18	23	52	16
17	0	10	28	50	45	47	51	47
18	0	11	5	50	13	11	51	18
19	0	11	42	49	40	35	50	49
20	0	12	19	49	7	59	50	20
21	0	12	56	48	35	23	49	51
22	0	13	33	48	2	47	49	22
23	0	14	10	47	30	11	48	53
24	0	14	47	46	57	35	48	24
25	0	15	24	46	24	59	47	55
26	0	16	1	45	52	23	47	26
27	0	16	38	45	19	47	46	57
28	0	17	15	44	47	11	46	28
29	0	17	52	44	14	35	45	59
30	0	18	29	43	41	59	45	30
31	0	19	6	43	9	23	45	1
32	0	19	43	42	36	47	44	32
33	0	20	20	42	4	11	44	3
34	0	20	57	41	31	35	43	34
35	0	21	34	40	58	59	43	5
36	0	22	11	40	26	23	42	36
37	0	22	48	39	53	47	42	7
38	0	23	25	39	21	11	41	38
39	0	24	2	38	48	35	41	9
40	0	24	39	38	15	59	40	40
41	0	25	16	37	43	23	40	11
42	0	25	53	37	10	47	39	42
43	0	26	30	36	38	11	39	13
44	0	27	7	36	5	35	38	44
45	0	27	44	35	32	59	38	15
46	0	28	21	35	0	23	37	46
47	0	28	58	34	27	47	37	17
48	0	29	35	33	55	11	36	48
49	0	30	12	33	22	35	36	19
50	0	30	49	32	49	59	35	50
51	0	31	26	32	17	23	35	21
52	0	32	3	31	44	47	34	52
53	0	32	40	31	12	11	34	23
54	0	33	17	30	39	35	33	54
55	0	33	54	30	6	59	33	25
56	0	34	31	29	34	23	32	56
57	0	35	8	29	1	47	32	27
58	0	35	45	28	29	11	31	58
59	0	36	22	27	56	35	31	29
60	0	36	59	27	23	59	31	0

4 g m 2 3
2 m 2 3
3 2 3
4 3 4

4 g m 2 3
2 m 2 3
3 2 3
4 3 4

causo 41 12 56 56 8 14 20 53

Tabula coniunctionis argumenti mercurii

	1	2	3	4				
1	0	3	6	24	7	42	40	52
2	0	6	12	48	15	25	21	44
3	0	9	19	12	23	8	2	36
4	0	12	25	36	30	50	43	28
5	0	15	32	0	38	33	24	20
6	0	18	38	24	46	16	5	12
7	0	21	44	48	53	58	46	4
8	0	24	51	13	1	41	26	56
9	0	27	57	37	9	24	7	48
10	0	31	4	1	17	6	48	40
11	0	34	10	25	24	49	29	39
12	0	37	16	49	32	32	10	24
13	0	40	23	13	40	14	51	16
14	0	43	29	37	47	57	32	8
15	0	46	36	1	55	40	13	0
16	0	49	42	26	3	22	53	52
17	0	52	48	50	11	5	34	44
18	0	55	55	14	18	48	15	36
19	0	59	1	38	26	30	56	28
20	1	2	8	2	34	13	37	20
21	1	5	14	26	41	56	18	12
22	1	8	20	50	49	38	59	4
23	1	11	27	14	57	21	39	56
24	1	14	33	39	5	4	20	48
25	1	17	40	3	12	47	1	40
26	1	20	46	27	20	29	42	32
27	1	23	52	51	28	12	23	24
28	1	26	59	15	35	55	4	16
29	1	30	5	39	43	37	45	8
30	1	33	12	3	51	20	26	0

4 Tm 2 3
2 m 2 3
3 2 3
4 3 4

	1	2	3	4				
31	1	36	18	27	59	3	6	52
32	1	39	24	52	6	45	47	44
33	1	42	31	16	14	28	28	36
34	1	45	37	40	22	11	9	28
35	1	48	44	4	29	53	50	20
36	1	51	50	28	37	36	31	12
37	1	54	56	52	45	19	12	4
38	1	58	3	16	53	1	52	56
39	2	1	9	41	0	44	33	48
40	2	4	16	5	8	27	14	40
41	2	7	22	29	16	9	55	32
42	2	10	28	53	23	52	36	24
43	2	13	35	17	31	35	17	16
44	2	16	41	41	39	17	58	8
45	2	19	48	5	47	0	39	0
46	2	22	54	29	54	43	19	52
47	2	26	0	54	2	26	0	44
48	2	29	7	18	10	8	41	36
49	2	32	13	42	17	51	22	28
50	2	35	20	6	25	34	3	20
51	2	38	26	30	33	16	44	12
52	2	41	32	54	40	59	25	4
53	2	44	39	18	48	42	5	56
54	2	47	45	42	56	24	46	48
55	2	50	52	7	4	7	27	40
56	2	53	58	31	11	50	8	32
57	3	57	4	55	19	32	49	54
58	3	0	11	19	27	15	30	16
59	3	3	17	43	34	58	11	8
60	3	6	24	7	42	40	52	0

4 Tm 2 3
2 m 2 3
3 2 3
4 3 4

Tabla eqcōs p̄t pª

linee mīi				eqcō sol Solis		
S	G	S	G	G	m	2
0	1	5	59	0	2	10
0	2	5	58	0	4	19
0	3	5	57	0	6	27
0	4	5	56	0	8	36
0	5	5	55	0	10	44
0	6	5	54	0	12	52
0	7	5	53	0	15	2
0	8	5	52	0	17	10
0	9	5	51	0	19	19
0	10	5	50	0	21	28
0	11	5	49	0	23	36
0	12	5	48	0	25	45
0	13	5	47	0	27	53
0	14	5	46	0	30	1
0	15	5	45	0	32	8
0	16	5	44	0	34	16
0	17	5	43	0	36	23
0	18	5	42	0	38	30
0	19	5	41	0	40	37
0	20	5	40	0	42	43
0	21	5	39	0	44	49
0	22	5	38	0	46	55
0	23	5	37	0	48	59
0	24	5	36	0	51	4
0	25	5	35	0	53	4
0	26	5	34	0	55	2
0	27	5	33	0	57	1
0	28	5	32	0	58	59
0	29	5	31	1	0	57
0	30	5	30	1	2	54
0						
0						

linee mīi				equacō Solis		
S	G	S	G	G	m	2
0	31	5	29	1	4	46
0	32	5	28	1	6	37
0	33	5	27	1	8	28
0	34	5	26	1	10	19
0	35	5	25	1	12	9
0	36	5	24	1	13	58
0	37	5	23	1	15	41
0	38	5	22	1	17	24
0	39	5	21	1	19	6
0	40	5	20	1	20	44
0	41	5	19	1	22	29
0	42	5	18	1	24	10
0	43	5	17	1	25	57
0	44	5	16	1	27	19
0	45	5	15	1	29	8
0	46	5	14	1	30	46
0	47	5	13	1	32	22
0	48	5	12	1	33	59
0	49	5	11	1	35	30
0	50	5	10	1	37	0
0	51	5	9	1	38	27
0	52	5	8	1	39	58
0	53	5	7	1	41	27
0	54	5	6	1	42	54
0	55	5	5	1	44	14
0	56	5	4	1	45	34
0	57	5	3	1	46	53
0	58	5	2	1	48	10
0	59	5	1	1	49	28
1	0	5	0	1	50	44

Tabla eqcōs p̄t 2ª

linee mīi				equacō Solis		
S	G	S	G	G	m	2
1	1	4	59	1	51	51
1	2	4	58	1	52	56
1	3	4	57	1	54	0
1	4	4	56	1	55	6
1	5	4	55	1	56	9
1	6	4	54	1	57	11
1	7	4	53	1	58	2
1	8	4	52	1	58	52
1	9	4	51	1	59	41
1	10	4	50	2	0	26
1	11	4	49	2	1	16
1	12	4	48	2	2	2
1	13	4	47	2	2	42
1	14	4	46	2	3	21
1	15	4	45	2	3	59
1	16	4	44	2	4	36
1	17	4	43	2	5	16
1	18	4	42	2	5	48
1	19	4	41	2	6	17
1	20	4	40	2	7	45
1	21	4	39	2	7	12
1	22	4	38	2	7	37
1	23	4	37	2	8	2
1	24	4	36	2	8	27
1	25	4	35	2	8	45
1	26	4	34	2	9	1
1	27	4	33	2	9	17
1	28	4	32	2	9	32
1	29	4	31	2	9	45
1	30	4	30	2	9	57

Residua pre fre tabule | Tabula equacionis Solis tercia

linee		minute		equacio Solis			linee		minute		equacio Solis			linee		minute		equacio Solis		
S	G	S	G	G	M	2	S	G	S	G	G	M	2	S	G	S	G	G	M	2
1	31	4	29	2	9	59	2	1	3	59	1	53	46	2	31	3	29	1	5	1
1	32	4	28	2	10	0	2	2	3	58	1	52	37	2	32	3	28	1	2	54
1	33	4	27	2	10	0	2	3	3	57	1	51	34	2	33	3	27	1	0	57
1	34	4	26	2	10	0	2	4	3	56	1	50	12	2	34	3	26	0	58	40
1	35	4	25	2	9	57	2	5	3	55	1	48	59	2	35	3	25	0	56	33
1	36	4	24	2	9	51	2	6	3	54	1	47	46	2	36	3	24	0	54	25
1	37	4	23	2	9	36	2	7	3	53	1	46	20	2	37	3	23	0	52	17
1	38	4	22	2	9	20	2	8	3	52	1	44	53	2	38	3	22	0	50	9
1	39	4	21	2	9	2	2	9	3	51	1	43	26	2	39	3	21	0	48	1
1	40	4	20	2	8	45	2	10	3	50	1	41	57	2	40	3	20	0	45	53
1	41	4	19	2	8	25	2	11	3	49	1	40	27	2	41	3	19	0	43	44
1	42	4	18	2	8	6	2	12	3	48	1	38	57	2	42	3	18	0	41	35
1	43	4	17	2	7	41	2	13	3	47	1	37	25	2	43	3	17	0	39	26
1	44	4	16	2	7	14	2	14	3	46	1	35	53	2	44	3	16	0	37	16
1	45	4	15	2	6	46	2	15	3	45	1	34	20	2	45	3	15	0	35	6
1	46	4	14	2	6	15	2	16	3	44	1	32	46	2	46	3	14	0	32	51
1	47	4	13	2	5	43	2	17	3	43	1	31	12	2	47	3	13	0	30	35
1	48	4	12	2	5	18	2	18	3	42	1	29	37	2	48	3	12	0	28	19
1	49	4	11	2	4	42	2	19	3	41	1	27	50	2	49	3	11	0	26	1
1	50	4	10	2	4	5	2	20	3	40	1	26	3	2	50	3	10	0	23	42
1	51	4	9	2	3	21	2	21	3	39	1	24	16	2	51	3	9	0	21	22
1	52	4	8	2	2	37	2	22	3	38	1	22	28	2	52	3	8	0	19	1
1	53	4	7	2	1	45	2	23	3	37	1	20	40	2	53	3	7	0	16	40
1	54	4	6	2	0	51	2	24	3	36	1	18	51	2	54	3	6	0	14	19
1	55	4	5	1	59	53	2	25	3	35	1	17	0	2	55	3	5	0	11	58
1	56	4	4	1	58	55	2	26	3	34	1	15	8	2	56	3	4	0	9	36
1	57	4	3	1	57	51	2	27	3	33	1	13	13	2	57	3	3	0	7	12
1	58	4	2	1	56	57	2	28	3	32	1	11	16	2	58	3	2	0	4	48
1	59	4	1	1	55	57	2	29	3	31	1	9	17	2	59	3	1	0	2	24
2	0	4	0	1	54	57	3	30	3	30	1	7	7	3	0	3	0	0	0	0

Tabula equationis lune in parte ista prima

linee medii				equatio centri		minuta proportionalia	diversitas diametri		equatio argumenti			linee medii				equatio centri		minuta proportionalia	diversitas diametri		equatio argumenti		
S	G	S	G	G	M	M	G	M	G	M	2	S	G	S	G	G	M	M	G	M	G	M	2
0	1	5	59	0	9	0	0	3	0	4	56	0	31	5	29	4	32	3	1	12	2	21	43
0	2	5	58	0	18	0	0	5	0	9	31	0	32	5	28	4	41	3	1	14	2	25	55
0	3	5	57	0	27	0	0	7	0	14	17	0	33	5	27	4	49	4	1	16	2	30	5
0	4	5	56	0	36	0	0	10	0	19	0	0	34	5	26	4	58	4	1	19	2	34	12
0	5	5	55	0	45	0	0	12	0	23	44	0	35	5	25	5	7	4	1	21	2	38	17
0	6	5	54	0	53	0	0	14	0	28	28	0	36	5	24	5	17	4	1	23	2	42	21
0	7	5	53	1	2	0	0	17	0	33	11	0	37	5	23	5	24	5	1	25	2	46	22
0	8	5	52	1	11	0	0	19	0	37	54	0	38	5	22	5	33	5	1	27	2	50	19
0	9	5	51	1	20	0	0	21	0	42	37	0	39	5	21	5	41	5	1	29	2	54	14
0	10	5	50	1	29	0	0	24	0	47	19	0	40	5	20	5	50	5	1	31	2	58	7
0	11	5	49	1	38	0	0	26	0	52	0	0	41	5	19	5	59	6	1	33	3	1	58
0	12	5	48	1	46	1	0	28	0	56	41	0	42	5	18	6	7	6	1	35	3	5	40
0	13	5	47	1	55	1	0	31	1	1	20	0	43	5	17	6	16	6	1	37	3	9	31
0	14	5	46	2	4	1	0	33	1	5	59	0	44	5	16	6	27	6	1	40	3	12	13
0	15	5	45	2	13	1	0	35	1	10	38	0	45	5	15	6	33	7	1	42	3	16	51
0	16	5	44	2	22	1	0	38	1	15	17	0	46	5	14	6	42	7	1	43	3	20	26
0	17	5	43	2	31	1	0	40	1	19	51	0	47	5	13	6	50	8	1	44	3	23	59
0	18	5	42	2	39	1	0	42	1	24	27	0	48	5	12	6	58	8	1	45	3	27	30
0	19	5	41	2	48	1	0	45	1	29	0	0	49	5	11	7	7	8	1	47	3	30	57
0	20	5	40	2	57	2	0	47	1	33	33	0	50	5	10	7	17	9	1	48	3	34	20
0	21	5	39	3	5	2	0	49	1	38	3	0	51	5	9	7	23	9	1	49	3	37	40
0	22	5	38	3	14	2	0	52	1	42	33	0	52	5	8	7	32	9	1	51	3	40	51
0	23	5	37	3	23	2	0	54	1	46	1	0	53	5	7	7	40	10	1	53	3	44	10
0	24	5	36	3	31	2	0	57	1	51	27	0	54	5	6	7	48	10	1	54	3	47	20
0	25	5	35	3	40	2	0	59	1	55	52	0	55	5	5	7	56	10	1	56	3	50	26
0	26	5	34	3	49	2	1	1	2	0	17	0	56	5	4	8	4	11	1	58	3	53	29
0	27	5	33	3	57	3	1	3	2	4	37	0	57	5	3	8	13	11	1	59	3	56	30
0	28	5	32	4	6	3	1	6	2	8	57	0	58	5	2	8	20	11	2	1	3	59	20
0	29	5	31	4	15	3	1	8	2	13	14	0	59	5	1	8	28	12	2	2	4	2	17
0	30	5	30	4	23	3	1	12	2	17	29	1	0	5	0	8	36	12	2	3	4	5	4

Tabula equacionis lune secunda

lune		minu		equo cent		pporc	diu diam		equao argum		
S	G	S	G	G	M	M	G	M	G	M	2a
1	1	4	59	8	44	13	2	5	4	7	47
1	2	4	58	8	52	13	2	6	4	10	37
1	3	4	57	8	59	14	2	7	4	13	3
1	4	4	56	9	7	14	2	9	4	15	35
1	5	4	55	9	15	15	2	10	4	18	3
1	6	4	54	9	22	15	2	12	4	20	37
1	7	4	53	9	30	15	2	13	4	22	47
1	8	4	52	9	37	16	2	14	4	25	3
1	9	4	51	9	44	16	2	15	4	27	12
1	10	4	50	9	52	17	2	16	4	29	18
1	11	4	49	9	59	17	2	17	4	31	20
1	12	4	48	10	6	18	2	18	4	33	18
1	13	4	47	10	13	18	2	19	4	35	11
1	14	4	46	10	20	19	2	20	4	36	59
1	15	4	45	10	27	19	2	21	4	38	43
1	16	4	44	10	34	20	2	22	4	40	23
1	17	4	43	10	41	20	2	23	4	41	54
1	18	4	42	10	48	21	2	24	4	43	28
1	19	4	41	10	55	21	2	25	4	44	53
1	20	4	40	11	2	22	2	26	4	46	13
1	21	4	39	11	8	22	2	27	4	47	26
1	22	4	38	11	15	22	2	28	4	48	37
1	23	4	37	11	21	23	2	29	4	49	38
1	24	4	36	11	27	23	2	30	4	50	41
1	25	4	35	11	33	24	2	31	4	51	38
1	26	4	34	11	39	24	2	32	4	52	38
1	27	4	33	11	44	25	2	33	4	53	11
1	28	4	32	11	50	25	2	34	4	53	50
1	29	4	31	11	55	26	2	35	4	54	27
1	30	4	30	12	0	26	2	36	4	54	54
1	31	4	29	12	5	27	2	37	4	55	14
1	32	4	28	12	10	27	2	37	4	55	37
1	33	4	27	12	15	28	2	38	4	55	49
1	34	4	26	12	20	28	2	38	4	55	55
1	35	4	25	12	24	29	2	38	4	56	0
1	36	4	24	12	28	30	2	38	4	55	56
1	37	4	23	12	32	30	2	38	4	55	43
1	38	4	22	12	36	31	2	39	4	55	25
1	39	4	21	12	39	31	2	39	4	55	4
1	40	4	20	12	42	32	2	39	4	54	41
1	41	4	19	12	45	33	2	39	4	54	12
1	42	4	18	12	48	33	2	39	4	53	38
1	43	4	17	12	51	34	2	40	4	52	59
1	44	4	16	12	54	34	2	40	4	52	14
1	45	4	15	12	56	35	2	40	4	51	23
1	46	4	14	12	58	35	2	40	4	50	23
1	47	4	13	13	0	36	2	40	4	49	17
1	48	4	12	13	2	36	2	40	4	48	10
1	49	4	11	13	4	37	2	40	4	46	54
1	50	4	10	13	5	38	2	39	4	45	33
1	51	4	9	13	6	38	2	39	4	44	7
1	52	4	8	13	7	38	2	38	4	42	38
1	53	4	7	13	8	39	2	38	4	40	56
1	54	4	6	13	9	40	2	37	4	39	15
1	55	4	5	13	9	40	2	36	4	37	29
1	56	4	4	13	8	40	2	36	4	35	37
1	57	4	3	13	7	41	2	35	4	33	41
1	58	4	2	13	6	41	2	34	4	31	34
1	59	4	1	13	5	42	2	33	4	29	20
2	0	4	0	13	4	42	2	31	4	27	0

Tabula equationis lune tercia

linee		medii		equatio centri		minuta proportionalia	diversitas diametri		equatio argumenti		
S	G	S	G	g	m	m	G	m	G	m	2
2	1	3	59	13	3	43	2	30	4	24	34
2	2	3	58	13	1	44	2	29	4	22	11
2	3	3	57	12	59	44	2	27	4	19	38
2	4	3	56	12	56	45	2	26	4	16	56
2	5	3	55	12	53	45	2	25	4	14	13
2	6	3	54	12	50	45	2	23	4	11	23
2	7	3	53	12	46	46	2	22	4	8	24
2	8	3	52	12	41	46	2	21	4	5	31
2	9	3	51	12	36	47	2	19	4	2	30
2	10	3	50	12	30	47	2	18	3	59	20
2	11	3	49	12	23	47	2	16	3	56	7
2	12	3	48	12	16	48	2	15	3	52	41
2	13	3	47	12	9	48	2	14	3	49	22
2	14	3	46	12	3	49	2	12	3	45	52
2	15	3	45	11	54	49	2	10	3	42	17
2	16	3	44	11	46	50	2	9	3	38	37
2	17	3	43	11	38	50	2	7	3	34	53
2	18	3	42	11	29	51	2	5	3	31	3
2	19	3	41	11	20	51	2	3	3	27	10
2	20	3	40	11	11	52	1	1	3	23	12
2	21	3	39	11	2	52	1	58	3	19	9
2	22	3	38	10	53	53	1	56	3	15	2
2	23	3	37	10	43	53	1	54	3	10	56
2	24	3	36	10	33	53	1	51	3	6	35
2	25	3	35	10	22	54	1	49	3	2	17
2	26	3	34	10	11	54	1	46	2	57	51
2	27	3	33	10	0	54	1	43	2	53	23
2	28	3	32	9	48	55	1	41	2	48	51
2	29	3	31	9	35	55	1	38	2	44	17
2	30	3	30	9	22	55	1	35	2	39	35

linee		medii		equatio centri		minuta proportionalia	diversitas dyametri		equatio argumenti		
S	G	S	G	g	m	m	G	m	G	m	2
2	31	3	29	9	8	56	1	32	2	34	52
2	32	3	28	8	53	56	1	29	2	30	6
2	33	3	27	8	38	56	1	26	2	25	16
2	34	3	26	8	22	56	1	24	2	20	23
2	35	3	25	8	7	57	1	21	2	15	26
2	36	3	24	7	48	57	1	18	2	10	26
2	37	3	23	7	31	57	1	16	2	5	22
2	38	3	22	7	14	57	1	13	2	0	17
2	39	3	21	6	56	57	1	10	1	55	9
2	40	3	20	6	39	58	1	8	1	49	58
2	41	3	19	6	21	58	1	5	1	44	44
2	42	3	18	6	3	58	1	2	1	30	27	3o
2	43	3	17	5	47	58	0	59	1	34	9
2	44	3	16	5	27	58	0	56	1	28	49
2	45	3	15	5	8	58	0	52	1	23	26
2	46	3	14	4	49	59	0	49	1	18	1
2	47	3	13	4	30	59	0	46	1	12	38
2	48	3	12	4	11	59	0	42	1	7	6
2	49	3	11	3	52	59	0	39	1	1	36
2	50	3	10	3	32	59	0	36	0	56	7
2	51	3	9	3	12	59	0	32	0	50	22
2	52	3	8	2	52	59	0	29	0	44	58
2	53	3	7	2	32	60	0	25	0	39	23
2	54	3	6	2	11	60	0	21	0	33	44
2	55	3	5	1	50	60	0	18	0	28	10
2	56	3	4	1	29	60	0	15	0	22	33
2	57	3	3	1	7	60	0	11	0	16	56
2	58	3	2	0	46	60	0	8	0	11	18
2	59	3	1	0	23	60	0	4	0	5	40
3	0	3	0	0	0	60	0	0	0	0	0

longior

Tabula equacionis Saturni prima

linee		medii		equ° cent		minuta proportionalia	longit° longior		equa° argu		longit° propior		linee		medii		equ° cen		minuta proportionalia	longit° longior		equ° arg		longit° propior	
S	G	S	G	G	m	m	G	m	G	m	G	m	S	G	S	G	G	m	m	G	m	G	m	G	m
0	1	5	59	0	7	60	0	0	0	6	0	0	0	31	5	29	3	12	50	0	9	2	55	0	12
0	2	5	58	0	14	60	0	1	0	12	0	1	0	32	5	28	3	18	50	0	9	3	0	0	12
0	3	5	57	0	20	60	0	1	0	18	0	1	0	33	5	27	3	23	49	0	9	3	5	0	12
0	4	5	56	0	27	60	0	1	0	24	0	1	0	34	5	26	3	29	49	0	9	3	10	0	12
0	5	5	55	0	33	60	0	2	0	30	0	2	0	35	5	25	3	34	48	0	9	3	15	0	13
0	6	5	54	0	40	60	0	2	0	36	0	2	0	36	5	24	3	39	48	0	10	3	20	0	13
0	7	5	53	0	46	60	0	3	0	42	0	2	0	37	5	23	3	45	47	0	10	3	25	0	13
0	8	5	52	0	52	60	0	3	0	48	0	3	0	38	5	22	3	50	46	0	10	3	30	0	14
0	9	5	51	0	58	59	0	3	0	54	0	3	0	39	5	21	4	55	46	0	10	3	35	0	14
0	10	5	50	1	5	59	0	4	1	0	0	3	0	40	5	20	4	0	45	0	10	3	40	0	14
0	11	5	49	1	11	59	0	4	1	6	0	4	0	41	5	19	4	5	45	0	11	3	45	0	15
0	12	5	48	1	17	59	0	4	1	11	0	4	0	42	5	18	4	10	44	0	11	3	49	0	15
0	13	5	47	1	24	58	0	4	1	17	0	5	0	43	5	17	4	15	44	0	11	3	54	0	15
0	14	5	46	1	30	58	0	5	1	23	0	5	0	44	5	16	4	20	43	0	11	3	59	0	16
0	15	5	45	1	36	58	0	5	1	28	0	6	0	45	5	15	4	25	42	0	11	4	3	0	16
0	16	5	44	1	43	57	0	5	1	34	0	6	0	46	5	14	4	30	42	0	12	4	8	0	16
0	17	5	43	1	49	57	0	5	1	40	0	7	0	47	5	13	4	35	41	0	12	4	13	0	17
0	18	5	42	1	55	57	0	6	1	45	0	7	0	48	5	12	4	39	40	0	12	4	17	0	17
0	19	5	41	2	1	56	0	6	1	51	0	8	0	49	5	11	4	44	40	0	12	4	22	0	17
0	20	5	40	2	7	55	0	6	1	57	0	8	0	50	5	10	4	48	39	0	13	4	26	0	18
0	21	5	39	2	13	55	0	6	2	2	0	8	0	51	5	9	4	53	38	0	13	4	30	0	18
0	22	5	38	2	19	55	0	6	2	8	0	9	0	52	5	8	4	56	37	0	13	4	34	0	18
0	23	5	37	2	25	54	0	7	2	13	0	9	0	53	5	7	5	1	36	0	14	4	38	0	19
0	24	5	36	2	31	54	0	7	2	18	0	9	0	54	5	6	5	5	35	0	14	4	42	0	19
0	25	5	35	2	37	53	0	7	2	24	0	10	0	55	5	5	5	9	35	0	14	4	46	0	19
0	26	5	34	2	43	53	0	7	2	29	0	10	0	56	5	4	5	13	34	0	14	4	50	0	19
0	27	5	33	2	49	52	0	8	2	34	0	10	0	57	5	3	5	17	33	0	14	4	53	0	19
0	28	5	32	2	55	52	0	8	2	40	0	11	0	58	5	2	5	21	32	0	15	4	57	0	19
0	29	5	31	3	1	51	0	8	2	45	0	11	0	59	5	1	5	25	31	0	15	5	1	0	20
0	30	5	30	3	6	51	0	8	2	50	0	11	1	0	5	0	5	29	30	0	15	5	4	0	20

Tabula equacionis Saturni Secunda

Long. / ppr.

linee mi. S	linee mi. G	S	G	equa. centri G	equa. centri M	diversitas M	longi. longior G	longi. longior M	equa. arg. G	equa. arg. M	longi. propior G	longi. propior M
1	1	4	59	5	33	29	0	16	5	8	0	20
1	2	4	58	5	34	28	0	16	5	12	0	20
1	3	4	57	5	41	27	0	16	5	17	0	20
1	4	4	56	5	44	26	0	16	5	19	0	20
1	5	4	55	5	47	25	0	16	5	22	0	20
1	6	4	54	5	50	24	0	17	5	25	0	20
1	7	4	53	5	53	23	0	17	5	28	0	21
1	8	4	52	5	56	22	0	17	5	31	0	21
1	9	4	51	5	59	21	0	17	5	34	0	21
1	10	4	50	6	2	20	0	17	5	37	0	21
1	11	4	49	6	5	19	0	17	5	40	0	21
1	12	4	48	6	7	18	0	18	5	42	0	21
1	13	4	47	6	9	16	0	18	5	45	0	21
1	14	4	46	6	12	15	0	18	5	47	0	21
1	15	4	45	6	14	14	0	18	5	49	0	21
1	16	4	44	6	16	13	0	18	5	51	0	21
1	17	4	43	6	18	12	0	18	5	53	0	21
1	18	4	42	6	19	11	0	18	5	55	0	21
1	19	4	41	6	21	9	0	18	5	57	0	22
1	20	4	40	6	22	8	0	18	5	59	0	22
1	21	4	39	6	23	7	0	18	5	0	0	22
1	22	4	38	6	25	6	0	19	6	2	0	22
1	23	4	37	6	26	5	0	19	6	4	0	22
1	24	4	36	6	27	4	0	19	6	5	0	22
1	25	4	35	6	28	3	0	19	6	7	0	22
1	26	4	34	6	28	2	0	19	6	8	0	22
1	27	4	33	6	29	1	0	19	6	9	0	23
1	28	4	32	6	30	1	0	19	6	10	0	23
1	29	4	31	6	30	2	0	19	6	11	0	23
1	30	4	30	6	31	3	0	19	6	11	0	23
1	31	4	29	6	31	4	0	20	6	12	0	23
1	32	4	28	6	31	5	0	20	6	12	0	23
1	33	4	27	6	31	6	0	20	6	12	0	23
1	34	4	26	6	31	9	0	20	6	13	0	24
1	35	4	25	6	30	8	0	20	6	13	0	24
1	36	4	24	6	30	9	0	20	6	13	0	24
1	37	4	23	6	29	10	0	20	6	13	0	24
1	38	4	22	6	29	11	0	20	6	13	0	24
1	39	4	21	6	28	12	0	21	6	13	0	24
1	40	4	20	6	28	13	0	21	6	12	0	24
1	41	4	19	6	27	14	0	21	6	12	0	24
1	42	4	18	6	26	15	0	21	6	12	0	25
1	43	4	17	6	25	15	0	21	6	11	0	25
1	44	4	16	6	24	16	0	21	6	10	0	25
1	45	4	15	6	22	17	0	21	6	9	0	25
1	46	4	14	6	21	18	0	21	6	8	0	25
1	47	4	13	6	19	19	0	20	6	7	0	25
1	48	4	12	6	17	20	0	20	6	5	0	25
1	49	4	11	6	16	20	0	20	6	4	0	25
1	50	4	10	6	14	21	0	20	5	2	0	25
1	51	4	9	6	12	22	0	20	5	0	0	25
1	52	4	8	6	10	23	0	20	5	59	0	24
1	53	4	7	6	8	24	0	19	5	57	0	24
1	54	4	6	6	6	25	0	19	5	55	0	24
1	55	4	5	6	4	26	0	19	5	53	0	24
1	56	4	4	6	1	26	0	19	5	51	0	24
1	57	4	3	5	58	27	0	19	5	48	0	24
1	58	4	2	5	55	28	0	19	5	46	0	23
1	59	4	1	5	52	29	0	19	5	43	0	23
2	0	4	0	5	49	30	0	19	5	41	0	23

Equacionis Saturni Tercia

linee medii				equacio centri		minuta proportionalia	longitudo longior		equacio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	1	3	59	5	46	30	0	19	5	37	0	23
2	2	3	58	5	43	31	0	19	5	34	0	23
2	3	3	57	5	40	32	0	19	5	31	0	23
2	4	3	56	5	36	33	0	19	5	28	0	23
2	5	3	55	5	32	33	0	18	5	24	0	22
2	6	3	54	5	28	34	0	18	5	21	0	22
2	7	3	53	5	24	35	0	18	5	18	0	22
2	8	3	52	5	20	36	0	18	5	14	0	22
2	9	3	51	5	16	37	0	18	5	10	0	21
2	10	3	50	5	12	37	0	17	5	6	0	21
2	11	3	49	5	8	38	0	17	5	2	0	21
2	12	3	48	5	3	39	0	17	4	58	0	21
2	13	3	47	4	58	40	0	17	4	54	0	20
2	14	3	46	4	53	41	0	17	4	50	0	20
2	15	3	45	4	48	42	0	16	4	45	0	20
2	16	3	44	4	43	42	0	16	4	41	0	19
2	17	3	43	4	38	43	0	16	4	36	0	19
2	18	3	42	4	33	44	0	16	4	31	0	19
2	19	3	41	4	28	44	0	16	4	26	0	18
2	20	3	40	4	23	45	0	15	4	21	0	18
2	21	3	39	4	17	46	0	15	4	16	0	18
2	22	3	38	4	12	46	0	15	4	11	0	17
2	23	3	37	4	6	47	0	15	4	6	0	17
2	24	3	36	4	0	48	0	14	4	0	0	7
2	25	3	35	3	54	49	0	14	3	55	0	16
2	26	3	34	3	48	49	0	14	3	49	0	16
2	27	3	33	3	42	50	0	13	3	43	0	15
2	28	3	32	3	36	50	0	13	3	37	0	15
2	29	3	31	3	30	51	0	12	3	31	0	14
2	30	3	30	3	24	51	0	12	3	27	0	14
2	31	3	29	3	18	52	0	12	3	19	0	13
2	32	3	28	3	14	53	0	11	3	13	0	13
2	33	3	27	3	6	54	0	11	3	7	0	13
2	34	3	26	2	59	54	0	11	3	1	0	12
2	35	3	25	2	52	55	0	10	2	54	0	12
2	36	3	24	2	46	55	0	10	2	48	0	12
2	37	3	23	2	40	56	0	9	2	42	0	11
2	38	3	22	2	34	56	0	9	2	36	0	11
2	39	3	21	2	27	57	0	8	2	29	0	11
2	40	3	20	2	21	57	0	8	2	22	0	10
2	41	3	19	2	14	58	0	7	2	16	0	10
2	42	3	18	2	7	58	0	7	2	9	0	10
2	43	3	17	2	0	59	0	6	2	2	0	9
2	44	3	16	1	53	59	0	6	1	55	0	9
2	45	3	15	1	46	59	0	6	1	48	0	8
2	46	3	14	1	39	59	0	5	1	41	0	8
2	47	3	13	1	32	60	0	5	1	34	0	7
2	48	3	12	1	25	60	0	5	1	27	0	7
2	49	3	11	1	18	60	0	5	1	20	0	6
2	50	3	10	1	11	60	0	4	1	13	0	6
2	51	3	9	1	4	60	0	4	1	6	0	5
2	52	3	8	0	57	60	0	4	0	59	0	5
2	53	3	7	0	50	60	0	3	0	52	0	4
2	54	3	6	0	43	60	0	3	0	45	0	4
2	55	3	5	0	36	60	0	3	0	38	0	3
2	56	3	4	0	29	60	0	2	0	31	0	3
2	57	3	3	0	22	60	0	2	0	23	0	2
2	58	3	2	0	17	60	0	1	0	16	0	2
2	59	3	1	0	8	60	0	1	0	8	0	1
3	0	3	0	0	0	60	0	0	0	0	0	0

Equationis Jovis prima

linee numeri				equatio centri		minuta proportionalia	longitudo longior		equatio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	1	5	59	0	6	60	0	0	0	10	0	0
0	2	5	58	0	12	60	0	1	0	20	0	1
0	3	5	57	0	18	60	0	1	0	29	0	1
0	4	5	56	0	24	60	0	1	0	39	0	1
0	5	5	55	0	30	60	0	2	0	49	0	2
0	6	5	54	0	36	60	0	2	0	58	0	2
0	7	5	53	0	42	60	0	2	1	8	0	2
0	8	5	52	0	48	60	0	3	1	18	0	3
0	9	5	51	0	53	60	0	3	1	28	0	3
0	10	5	50	0	58	60	0	3	1	37	0	3
0	11	5	49	1	5	60	0	4	1	47	0	4
0	12	5	48	1	10	60	0	4	1	57	0	4
0	13	5	47	1	17	59	0	4	2	6	0	5
0	14	5	46	1	23	59	0	5	2	15	0	5
0	15	5	45	1	28	59	0	5	2	24	0	5
0	16	5	44	1	34	59	0	5	2	34	0	6
0	17	5	43	1	40	58	0	6	2	43	0	6
0	18	5	42	1	45	58	0	6	2	52	0	7
0	19	5	41	1	51	58	0	6	3	2	0	7
0	20	5	40	1	57	57	0	7	3	11	0	8
0	21	5	39	2	2	57	0	7	3	20	0	8
0	22	5	38	2	8	57	0	7	3	30	0	8
0	23	5	37	2	13	56	0	8	3	39	0	9
0	24	5	36	2	18	56	0	8	3	48	0	9
0	25	5	35	2	24	55	0	8	3	57	0	9
0	26	5	34	2	30	55	0	9	4	6	0	10
0	27	5	33	2	35	54	0	9	4	17	0	10
0	28	5	32	2	41	54	0	9	4	24	0	10
0	29	5	31	2	46	53	0	10	4	33	0	11
0	30	5	30	2	51	53	0	10	4	42	0	11

linee numeri				equatio centri		minuta proportionalia	longitudo propior		equatio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	31	5	29	3	56	52	0	10	4	51	0	11
0	32	5	28	3	1	51	0	11	5	0	0	12
0	33	5	27	3	6	51	0	11	5	8	0	12
0	34	5	26	3	11	50	0	11	5	16	0	12
0	35	5	25	3	17	50	0	12	5	26	0	13
0	36	5	24	3	21	49	0	12	5	34	0	13
0	37	5	23	3	26	49	0	12	5	43	0	13
0	38	5	22	3	31	48	0	13	5	52	0	14
0	39	5	21	3	36	48	0	13	6	0	0	14
0	40	5	20	3	41	47	0	13	6	9	0	14
0	41	5	19	3	45	46	0	14	6	17	0	15
0	42	5	18	3	49	46	0	14	6	27	0	15
0	43	5	17	3	54	45	0	14	6	33	0	15
0	44	5	16	3	59	44	0	15	6	41	0	16
0	45	5	15	4	3	43	0	15	6	49	0	16
0	46	5	14	4	8	43	0	15	6	57	0	17
0	47	5	13	4	12	42	0	16	7	5	0	17
0	48	5	12	4	16	41	0	16	7	12	0	18
0	49	5	11	4	20	40	0	16	7	21	0	18
0	50	5	10	4	24	39	0	17	7	28	0	19
0	51	5	9	4	28	38	0	17	7	37	0	19
0	52	5	8	4	32	37	0	17	7	43	0	19
0	53	5	7	4	36	36	0	18	7	50	0	20
0	54	5	6	4	37	37	0	18	7	57	0	20
0	55	5	5	4	34	43	0	18	8	4	0	20
0	56	5	4	4	33	47	0	19	8	11	0	21
0	57	5	3	4	33	54	0	19	8	17	0	21
0	58	5	2	4	32	54	0	19	8	24	0	21
0	59	5	1	4	31	58	0	20	8	31	0	22
0	0	5	0	5	30	1	0	20	8	34	0	22

Nota in argumento equationis centri ... 36 ... [illegible]
[illegible]

Tabula Jovis secunda

linee medii				equatio centri		proporc.	longitudo longior		equatio argumenti		longitudo propior	
s	g	s	g	G	m	m	G	m	G	m	G	m
1	1	4	59	5	5	29	0	20	8	44	0	22
1	2	4	58	5	9	28	0	21	8	50	0	23
1	3	4	57	5	12	27	0	21	9	56	0	23
1	4	4	56	5	15	26	0	21	9	2	0	23
1	5	4	55	5	18	25	0	22	9	8	0	24
1	6	4	54	5	20	24	0	22	9	14	0	24
1	7	4	53	5	23	23	0	22	9	20	0	24
1	8	4	52	5	26	21	0	23	9	26	0	25
1	9	4	51	5	28	20	0	23	9	31	0	25
1	10	4	50	5	31	19	0	23	9	36	0	25
1	11	4	49	5	33	18	0	24	9	41	0	26
1	12	4	48	5	35	17	0	24	9	46	0	26
1	13	4	47	5	37	16	0	24	9	51	0	26
1	14	4	46	5	39	15	0	25	9	56	0	27
1	15	4	45	5	41	14	0	25	10	0	0	27
1	16	4	44	5	43	13	0	25	10	5	0	27
1	17	4	43	5	45	12	0	25	10	9	0	28
1	18	4	42	5	46	11	0	26	10	13	0	28
1	19	4	41	5	48	10	0	26	10	17	0	28
1	20	4	40	5	49	9	0	26	10	21	0	29
1	21	4	39	5	50	8	0	26	10	25	0	29
1	22	4	38	5	51	7	0	26	10	29	0	29
1	23	4	37	5	52	6	0	26	10	32	0	29
1	24	4	36	5	53	5	0	27	10	35	0	30
1	25	4	35	5	54	4	0	27	10	38	0	30
1	26	4	34	5	55	3	0	27	10	41	0	30
1	27	4	33	5	55	2	0	27	10	44	0	30
1	28	4	32	5	56	1	0	27	10	47	0	30
1	29	4	31	5	56	1	0	27	10	49	0	30
1	30	4	30	5	57	2	0	27	10	51	0	30

linee medii				equatio centri		proporc.	longitudo longior		equatio argumenti		longitudo propior	
s	g	s	g	G	m	m	G	m	G	m	G	m
1	31	4	29	5	57	3	0	27	10	53	0	31
1	32	4	28	5	57	4	0	28	10	55	0	31
1	33	4	27	5	57	5	0	28	10	57	0	31
1	34	4	26	5	57	5	0	28	10	59	0	31
1	35	4	25	5	57	6	0	28	11	0	0	31
1	36	4	24	5	57	7	0	28	11	1	0	31
1	37	4	23	5	56	8	0	28	11	2	0	31
1	38	4	22	5	56	9	0	28	11	2	0	32
1	39	4	21	5	55	10	0	29	11	3	0	32
1	40	4	20	5	55	11	0	29	11	3	0	32
1	41	4	19	5	54	12	0	29	11	3	0	32
1	42	4	18	5	53	13	0	29	11	3	0	32
1	43	4	17	5	52	14	0	29	11	2	0	32
1	44	4	16	5	51	15	0	29	11	2	0	32
1	45	4	15	5	49	16	0	29	11	2	0	32
1	46	4	14	5	48	17	0	29	11	1	0	32
1	47	4	13	5	46	18	0	30	11	0	0	33
1	48	4	12	5	44	19	0	30	10	59	0	33
1	49	4	11	5	43	20	0	30	10	57	0	33
1	50	4	10	5	41	21	0	30	10	55	0	33
1	51	4	9	5	39	22	0	30	10	53	0	33
1	52	4	8	5	37	22	0	30	10	51	0	33
1	53	4	7	5	35	23	0	30	10	48	0	33
1	54	4	6	5	33	24	0	30	10	45	0	33
1	55	4	5	5	31	25	0	30	10	42	0	33
1	56	4	4	5	29	26	0	30	10	39	0	33
1	57	4	3	5	27	27	0	30	10	35	0	33
1	58	4	2	5	25	28	0	30	10	31	0	33
1	59	4	1	5	22	29	0	29	10	27	0	33
2	0	4	0	5	19	30	0	29	10	23	0	33

Tabula Jovis tertia

linee		min		equatio centri		proportio	longitudo longior		equatio argumenti		longitudo propior	
S	G	S	G	G	M	m	G	M	G	M	G	M
2	1	3	59	5	16	31	0	29	10	19	0	34
2	2	3	58	5	13	32	0	29	10	15	0	32
2	3	3	57	5	10	33	0	29	10	10	0	32
2	4	3	56	5	6	34	0	29	10	5	0	32
2	5	3	55	5	3	35	0	29	10	0	0	32
2	6	3	54	4	59	36	0	29	9	54	0	32
2	7	3	53	4	55	37	0	28	9	48	0	32
2	8	3	52	4	51	38	0	28	9	42	0	31
2	9	3	51	4	47	39	0	28	9	36	0	31
2	10	3	50	4	43	40	0	28	9	30	0	31
2	11	3	49	4	39	41	0	28	9	24	0	31
2	12	3	48	4	35	42	0	28	9	17	0	31
2	13	3	47	4	31	42	0	27	9	10	0	31
2	14	3	46	4	27	43	0	27	9	2	0	30
2	15	3	45	4	22	43	0	26	8	54	0	30
2	16	3	44	4	18	44	0	26	8	47	0	30
2	17	3	43	4	13	45	0	26	8	39	0	29
2	18	3	42	4	8	46	0	26	8	31	0	29
2	19	3	41	4	4	46	0	25	8	22	0	29
2	20	3	40	3	59	47	0	25	8	13	0	28
2	21	3	39	3	54	47	0	25	8	4	0	28
2	22	3	38	3	49	48	0	24	7	59	0	27
2	23	3	37	3	44	48	0	24	7	55	0	27
2	24	3	36	3	38	49	0	24	7	45	0	26
2	25	3	35	3	33	49	0	23	7	36	0	26
2	26	3	34	3	28	50	0	23	7	26	0	25
2	27	3	33	3	22	50	0	23	7	18	0	24
2	28	3	32	3	17	51	0	22	7	8	0	24
2	29	3	31	3	12	51	0	22	6	55	0	23
2	30	3	30	3	6	52	0	21	6	34	0	22

linee		min		equatio centri		proportio	longitudo longior		equatio argumenti		longitudo propior	
S	G	S	G	G	M	m	G	M	G	M	G	M
2	1	3	29	3	1	52	0	21	6	23	0	22
2	2	3	28	2	55	53	0	20	6	12	0	21
2	3	3	27	2	49	53	0	19	6	0	0	20
2	4	3	26	2	44	53	0	19	5	48	0	20
2	5	3	25	2	38	54	0	18	5	36	0	19
2	6	3	24	2	32	54	0	17	5	24	0	18
2	7	3	23	2	26	54	0	17	5	12	0	18
2	8	3	22	2	20	55	0	16	5	0	0	17
2	9	3	21	2	14	55	0	15	4	47	0	16
2	10	3	20	2	8	56	0	15	4	35	0	16
2	11	3	19	2	2	56	0	14	4	22	0	15
2	12	3	18	1	56	57	0	13	4	9	0	14
2	13	3	17	1	50	57	0	13	3	56	0	14
2	14	3	16	1	43	57	0	12	3	42	0	13
2	15	3	15	1	37	58	0	11	3	29	0	12
2	16	3	14	1	30	58	0	11	3	16	0	12
2	17	3	13	1	28	59	0	10	3	3	0	11
2	18	3	12	1	18	59	0	9	2	49	0	10
2	19	3	11	1	13	59	0	9	2	35	0	10
2	20	3	10	1	5	59	0	8	2	21	0	9
2	21	3	9	0	59	60	0	7	2	7	0	8
2	22	3	8	0	52	60	0	6	1	53	0	7
2	23	3	7	0	40	60	0	6	1	39	0	7
2	24	3	6	0	29	60	0	5	1	25	0	6
2	25	3	5	0	33	60	0	5	1	11	0	5
2	26	3	4	0	27	60	0	4	0	57	0	4
2	27	3	3	0	20	60	0	3	0	43	0	3
2	28	3	2	0	14	60	0	2	0	29	0	2
2	29	3	1	0	7	60	0	1	0	15	0	1
3	30	3	0	0	0	60	0	0	0	0	0	0

Tabula equationum Martis prima

lineae medii				equatio centri		[illegible]	longitudo longior		equatio argumenti		longitudo propior	
s	g	s	g	g	m	m	g	m	g	m	g	m
0	1	5	59	0	11	60	0	2	0	24	0	2
0	2	5	58	0	21	60	0	3	0	48	0	3
0	3	5	57	0	33	60	0	4	1	12	0	4
0	4	5	56	0	44	60	0	6	1	36	0	6
0	5	5	55	0	55	60	0	7	2	0	0	7
0	6	5	54	1	5	60	0	8	2	24	0	9
0	7	5	53	1	16	59	0	10	2	48	0	10
0	8	5	52	1	27	59	0	11	3	12	0	12
0	9	5	51	1	38	59	0	12	3	36	0	13
0	10	5	50	1	49	59	0	14	3	59	0	15
0	11	5	49	2	0	59	0	15	4	24	0	16
0	12	5	48	2	10	59	0	16	4	46	0	18
0	13	5	47	2	21	58	0	18	5	0	0	20
0	14	5	46	2	32	58	0	19	5	34	0	21
0	15	5	45	2	42	58	0	20	5	57	0	23
0	16	5	44	2	53	57	0	22	6	21	0	24
0	17	5	43	3	3	57	0	23	6	44	0	26
0	18	5	42	3	13	57	0	24	7	8	0	28
0	19	5	41	3	24	56	0	26	7	32	0	29
0	20	5	40	3	34	56	0	27	7	56	0	31
0	21	5	39	3	44	56	0	28	8	19	0	32
0	22	5	38	4	10	55	0	30	8	43	0	34
0	23	5	37	4	6	55	0	32	9	6	0	35
0	24	5	36	4	16	55	0	33	9	30	0	37
0	25	5	35	4	26	54	0	35	9	54	0	38
0	26	5	34	4	36	54	0	37	10	18	0	40
0	27	5	33	4	46	53	0	38	10	41	0	41
0	28	5	32	4	56	53	0	40	11	5	0	42
0	29	5	31	5	6	52	0	41	11	28	0	44
0	30	5	30	5	16	52	0	42	11	51	0	46

lineae medii				equatio centri		[illegible]	longitudo longior		equatio argumenti		longitudo propior	
s	g	s	g	g	m	m	g	m	g	m	g	m
0	31	5	29	5	26	51	0	45	12	17	0	48
0	32	5	28	5	26	51	0	45	12	18	0	50
0	33	5	27	5	45	50	0	47	13	1	0	51
0	34	5	26	5	55	50	0	48	13	27	0	53
0	35	5	25	6	4	49	0	50	13	48	0	55
0	36	5	24	6	13	49	0	51	14	11	0	56
0	37	5	23	6	22	48	0	53	14	34	0	58
0	38	5	22	6	31	47	0	54	14	51	1	0
0	39	5	21	6	40	47	0	56	15	20	1	1
0	40	5	20	6	49	46	0	57	15	43	1	3
0	41	5	19	6	58	45	0	59	16	6	1	5
0	42	5	18	7	7	45	1	0	16	29	1	6
0	43	5	17	7	16	44	1	1	16	52	1	8
0	44	5	16	7	24	44	1	3	17	15	1	10
0	45	5	15	7	32	43	1	5	17	38	1	11
0	46	5	14	7	41	42	1	6	18	1	1	13
0	47	5	13	7	49	41	1	8	18	24	1	15
0	48	5	12	7	57	40	1	9	18	48	1	16
0	49	5	11	8	5	40	1	11	19	9	1	18
0	50	5	10	8	13	39	1	12	19	31	1	20
0	51	5	9	8	20	38	1	14	19	53	1	22
0	52	5	8	8	27	37	1	15	20	16	1	24
0	53	5	7	8	34	36	1	17	20	38	1	26
0	54	5	6	8	42	35	1	18	21	0	1	28
0	55	5	5	8	50	34	1	20	21	23	1	30
0	56	5	4	8	57	33	1	21	21	45	1	31
0	57	5	3	9	4	32	1	23	22	7	1	34
0	58	5	2	9	11	31	1	24	22	29	1	36
0	59	5	1	9	18	30	1	26	22	51	1	38
1	0	5	0	9	28	30	1	27	23	13	1	40

Equationum Martis Secunda

linee medii				equa centri		m pp lia	longi lo		eq° centri		longo pprior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	1	4	59	9	31	29	1	29	23	35	1	42
1	2	4	58	9	37	28	1	30	23	57	1	44
1	3	4	57	9	43	27	1	32	24	18	1	46
1	4	4	56	9	49	26	1	34	24	40	1	48
1	5	4	55	9	55	25	1	36	25	1	1	50
1	6	4	54	10	0	24	1	37	25	22	1	53
1	7	4	53	10	5	23	1	39	25	44	1	55
1	8	4	52	10	10	22	1	41	26	5	1	57
1	9	4	51	10	15	21	1	43	26	26	1	59
1	10	4	50	10	20	20	1	44	26	47	2	1
1	11	4	49	10	25	19	1	47	27	8	2	3
1	12	4	48	10	29	17	1	49	27	29	2	4
1	13	4	47	10	34	16	1	51	27	50	2	8
1	14	4	46	10	38	15	1	53	28	11	2	10
1	15	4	45	10	42	14	1	55	28	31	2	12
1	16	4	44	10	46	13	1	57	28	52	2	14
1	17	4	43	10	50	12	1	59	29	12	2	16
1	18	4	42	10	53	11	2	1	29	32	2	19
1	19	4	41	10	57	10	2	3	29	52	2	21
1	20	4	40	11	0	9	2	5	30	12	2	23
1	21	4	39	11	3	8	2	8	30	32	2	26
1	22	4	38	11	6	7	2	10	30	52	2	28
1	23	4	37	11	9	5	2	12	31	11	2	30
1	24	4	36	11	12	4	2	14	31	30	2	33
1	25	4	35	11	15	3	2	16	31	49	2	35
1	26	4	34	11	17	2	2	18	32	8	2	38
1	27	4	33	11	19	1	2	20	32	27	2	41
1	28	4	32	11	21	1	2	23	32	46	2	43
1	29	4	31	11	22	2	2	25	33	4	2	46
1	30	4	30	11	23	3	2	27	33	22	2	46

linee medii				eq° centri		m pp or	longo longi		eq° arg		longo pprior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	31	4	29	11	23	4	2	30	33	50	2	53
1	32	4	28	11	24	5	2	32	33	55	2	55
1	33	4	27	11	24	6	2	35	34	17	2	57
1	34	4	26	11	24	7	2	37	34	32	3	0
1	35	4	25	11	24	8	2	39	34	49	3	3
1	36	4	24	11	24	9	2	42	35	6	3	6
1	37	4	23	11	23	10	2	44	35	23	3	9
1	38	4	22	11	23	11	2	47	35	41	3	12
1	39	4	21	11	22	12	2	49	35	56	3	15
1	40	4	20	11	21	13	2	51	36	12	3	19
1	41	4	19	11	20	14	2	54	36	28	3	22
1	42	4	18	11	19	15	2	56	36	43	3	25
1	43	4	17	11	17	16	2	59	36	58	3	28
1	44	4	16	11	15	16	3	1	37	13	3	32
1	45	4	15	11	13	17	3	4	37	27	3	36
1	46	4	14	11	11	18	3	7	37	41	3	39
1	47	4	13	11	9	19	3	10	37	55	3	43
1	48	4	12	11	6	20	3	13	38	9	3	47
1	49	4	11	11	3	21	3	16	38	23	3	50
1	50	4	10	11	0	22	3	19	38	36	3	54
1	51	4	9	10	57	23	3	22	38	48	3	58
1	52	4	8	10	53	23	3	25	39	1	4	1
1	53	4	7	10	49	24	3	28	39	13	4	5
1	54	4	6	10	44	25	3	32	39	24	4	9
1	55	4	5	10	41	26	3	35	39	35	4	15
1	56	4	4	10	37	27	3	39	39	45	4	17
1	57	4	3	10	33	27	3	43	39	50	4	21
1	58	4	2	10	29	28	3	46	40	5	4	26
1	59	4	1	10	25	29	3	50	40	14	4	30
2	0	4	0	10	21	30	3	54	40	23	4	35

Equacioni Martis tercia

Elmuce med				eq^o centri		M^a pp^or ba	Elong^o long^r		Eq^o arti		long^o ppior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	1	3	59	10	17	30	3	57	47	30	4	40
2	2	3	58	10	12	31	4	0	40	37	4	45
2	3	3	57	10	6	32	4	4	40	44	4	50
2	4	3	56	10	0	33	4	7	47	49	4	55
2	5	3	55	9	54	34	4	10	40	58	5	0
2	6	3	54	9	48	35	4	14	40	59	5	5
2	7	3	53	9	43	36	4	17	41	2	5	10
2	8	3	52	9	34	37	4	21	41	5	5	15
2	9	3	51	9	27	38	4	24	41	8	5	21
2	10	3	50	9	20	39	4	28	41	9	5	36
2	11	3	49	9	13	40	4	31	41	10	5	31
2	12	3	48	9	5	41	4	35	41	10	5	37
2	13	3	47	8	57	41	4	38	41	7	5	43
2	14	3	46	8	49	42	4	41	41	4	5	49
2	15	3	45	8	41	42	4	45	41	0	5	55
2	16	3	44	8	32	43	4	48	40	55	6	5
2	17	3	43	8	23	44	4	52	40	50	6	8
2	18	3	42	8	14	45	4	56	40	45	6	15
2	19	3	41	8	5	46	4	59	40	39	6	21
2	20	3	40	7	56	47	4	3	40	31	6	27
2	21	3	39	7	47	47	5	7	40	21	6	34
2	22	3	38	7	37	48	5	11	40	8	6	41
2	23	3	37	7	27	48	5	15	39	53	6	47
2	24	3	36	7	17	49	5	18	39	37	6	53
2	25	3	35	7	7	49	5	22	39	20	6	59
2	26	3	34	6	57	50	5	25	39	1	7	6
2	27	3	33	6	47	50	5	28	38	40	7	12
2	28	3	32	6	17	50	5	30	38	16	7	18
2	29	3	31	6	26	51	5	32	37	51	7	24
2	30	3	0	6	16	51	5	34	37	27	7	30

Elmuce med				eq^o centri		M^a pp^or ba	Elong^o long^r		Eq^o arti		long^o ppior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	31	3	29	6	5	52	5	36	36	57	7	35
2	32	3	28	5	54	52	5	37	36	26	7	40
2	33	3	27	5	43	53	5	38	35	52	7	45
2	34	3	26	5	32	53	5	38	35	15	7	50
2	35	3	25	5	21	54	5	38	34	35	7	54
2	36	3	24	5	9	55	5	38	33	52	7	58
2	37	3	23	4	57	55	5	37	33	7	8	0
2	38	3	22	4	45	56	5	36	32	20	8	2
2	39	3	21	4	33	56	5	34	31	20	8	3
2	40	3	20	4	20	57	5	30	30	36	8	2
2	41	3	19	4	8	57	5	27	29	38	8	0
2	42	3	18	3	55	58	5	18	28	[illegible]	7	58
2	43	3	17	3	43	58	5	10	27	38	7	55
2	44	3	16	3	31	58	5	1	26	47	7	[illegible]
2	45	3	15	3	18	58	4	52	25	34	7	40
2	46	3	14	3	5	58	4	41	23	[illegible]	7	34
2	47	3	13	2	52	59	4	30	22	29	7	26
2	48	3	12	2	39	59	4	18	21	[illegible]	7	6
2	49	3	11	2	26	59	4	4	19	29	6	42
2	50	3	10	2	13	59	3	48	17	[illegible]	6	16
2	51	3	9	1	59	59	3	32	16	26	5	47
2	52	3	8	1	40	59	3	12	14	47	5	22
2	53	3	7	1	33	59	3	50	13	37	4	54
2	54	3	6	1	27	59	3	27	11	17	4	26
2	55	3	5	1	7	60	2	4	9	27	3	40
2	56	3	4	0	54	60	1	40	7	37	3	3
2	57	3	3	0	40	60	1	16	5	44	2	27
2	58	3	2	0	27	60	0	51	3	52	1	34
2	59	3	1	0	14	60	0	26	1	57	0	37
3	0	3	0	0	0	60	0	0	0	0	0	0

Tabula Veneris Equationum prima

Elementa media				Equatio centri		Minuta proportionalia	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	1	5	29	0	2	60	0	0	0	26	0	0
0	2	5	28	0	4	60	0	1	0	51	0	1
0	3	5	27	0	6	60	0	1	1	16	0	1
0	4	5	26	0	9	60	0	1	1	41	0	1
0	5	5	25	0	11	60	0	1	2	6	0	2
0	6	5	24	0	13	60	0	1	2	31	0	2
0	7	5	23	0	15	60	0	1	2	56	0	2
0	8	5	22	0	17	59	0	1	3	21	0	3
0	9	5	21	0	19	59	0	2	3	46	0	3
0	10	5	20	0	21	59	0	2	4	5	0	3
0	11	5	49	0	24	59	0	2	4	36	0	4
0	12	5	48	0	26	59	0	3	5	1	0	4
0	13	5	47	0	28	58	0	3	5	26	0	4
0	14	5	46	0	30	58	0	3	5	51	0	5
0	15	5	45	0	32	58	0	4	6	16	0	5
0	16	5	44	0	34	57	0	4	6	41	0	5
0	17	5	43	0	36	57	0	5	7	6	0	6
0	18	5	42	0	38	57	0	5	7	31	0	6
0	19	5	41	0	41	56	0	5	7	56	0	6
0	20	5	40	0	43	56	0	6	8	21	0	7
0	21	5	39	0	45	56	0	6	8	46	0	7
0	22	5	38	0	47	55	0	6	9	11	0	7
0	23	5	37	0	49	55	0	7	9	36	0	8
0	24	5	36	0	51	55	0	7	10	1	0	8
0	25	5	35	0	53	54	0	7	10	26	0	8
0	26	5	34	0	55	54	0	8	10	51	0	9
0	27	5	33	0	57	53	0	8	11	16	0	9
0	28	5	32	0	59	53	0	8	11	41	0	9
0	29	5	31	1	1	52	0	9	12	6	0	10
0	30	5	30	1	3	52	0	9	12	30	0	10

Elementa media				Equatio centri		Minuta proportionalia	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	31	5	29	1	5	51	0	9	12	55	0	10
0	32	5	28	1	7	51	0	10	13	20	0	11
0	33	5	27	1	9	50	0	10	13	44	0	11
0	34	5	26	1	10	50	0	10	14	9	0	11
0	35	5	25	1	12	49	0	11	14	34	0	11
0	36	5	24	1	14	49	0	11	14	58	0	12
0	37	5	23	1	16	48	0	11	15	22	0	12
0	38	5	22	1	17	48	0	12	15	48	0	12
0	39	5	21	1	19	47	0	12	16	12	0	12
0	40	5	20	1	21	47	0	12	16	37	0	13
0	41	5	19	1	22	46	0	13	17	1	0	13
0	42	5	18	1	24	45	0	13	17	25	0	13
0	43	5	17	1	26	45	0	13	17	50	0	13
0	44	5	16	1	27	44	0	14	18	14	0	14
0	45	5	15	1	29	43	0	14	18	38	0	14
0	46	5	14	1	31	42	0	14	19	3	0	14
0	47	5	13	1	32	42	0	15	19	27	0	15
0	48	5	12	1	34	41	0	15	19	51	0	15
0	49	5	11	1	36	40	0	15	20	15	0	15
0	50	5	10	1	37	40	0	16	20	39	0	16
0	51	5	9	1	39	39	0	16	21	3	0	16
0	52	5	8	1	40	38	0	16	21	27	0	16
0	53	5	7	1	42	37	0	17	21	51	0	17
0	54	5	6	1	43	36	0	17	22	15	0	17
0	55	5	5	1	44	35	0	17	22	39	0	17
0	56	5	4	1	46	34	0	18	23	3	0	18
0	57	5	3	1	47	33	0	18	23	27	0	18
0	58	5	2	1	48	32	0	18	23	51	0	18
0	59	5	1	1	50	31	0	19	24	15	0	19
1	0	5	0	1	51	30	0	19	24	38	0	19

Secunda Veneris

Linea numeri				Equatio centri		Minuta proportionalia	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	1	4	59	1	52	29	0	19	25	2	0	19
1	2	4	58	1	53	28	0	20	25	25	0	20
1	3	4	57	1	54	27	0	20	25	44	0	20
1	4	4	56	1	55	26	0	20	26	11	0	21
1	5	4	55	1	56	25	0	21	26	34	0	21
1	6	4	54	1	57	24	0	21	26	57	0	22
1	7	4	53	1	58	23	0	21	27	20	0	22
1	8	4	52	1	59	22	0	22	27	43	0	23
1	9	4	51	2	0	21	0	22	28	6	0	23
1	10	4	50	2	1	20	0	22	28	29	0	24
1	11	4	49	2	1	19	0	23	28	52	0	24
1	12	4	48	2	2	18	0	23	29	14	0	25
1	13	4	47	2	3	16	0	23	29	37	0	25
1	14	4	46	2	3	15	0	24	29	59	0	26
1	15	4	45	2	4	14	0	24	30	55	0	27
1	16	4	44	2	5	13	0	24	30	43	0	27
1	17	4	43	2	5	12	0	25	31	5	0	28
1	18	4	42	2	6	11	0	25	31	27	0	28
1	19	4	41	2	6	10	0	25	31	49	0	29
1	20	4	40	2	7	9	0	26	32	11	0	29
1	21	4	39	2	7	8	0	26	32	33	0	30
1	22	4	38	2	8	7	0	26	32	55	0	30
1	23	4	37	2	8	6	0	27	33	17	0	31
1	24	4	36	2	9	5	0	27	33	38	0	31
1	25	4	35	2	9	4	0	27	34	0	0	32
1	26	4	34	2	9	3	0	28	34	21	0	32
1	27	4	33	2	9	2	0	28	34	42	0	33
1	28	4	32	2	10	1	0	28	35	3	0	33
1	29	4	31	2	10	propior 1	0	29	35	24	0	34
1	30	4	30	2	10	2	0	29	35	44	0	34

Linea numeri				Equatio centri		Minuta proportionalia	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M propior	G	M	G	M	G	M
1	31	4	29	2	10	3	0	34	36	4	0	35
1	32	4	28	2	10	4	0	35	36	24	0	36
1	33	4	27	2	10	5	0	35	36	44	0	37
1	34	4	26	2	10	6	0	36	37	4	0	37
1	35	4	25	2	10	7	0	36	37	23	0	38
1	36	4	24	2	10	8	0	37	37	43	0	38
1	37	4	23	2	10	9	0	37	38	2	0	39
1	38	4	22	2	10	10	0	38	38	21	0	40
1	39	4	21	2	9	11	0	38	38	40	0	40
1	40	4	20	2	9	12	0	39	38	59	0	41
1	41	4	19	2	9	13	0	39	39	17	0	42
1	42	4	18	2	8	14	0	40	39	35	0	43
1	43	4	17	2	8	15	0	41	39	53	0	43
1	44	4	16	2	7	16	0	41	40	11	0	44
1	45	4	15	2	7	17	0	42	40	29	0	45
1	46	4	14	2	6	18	0	43	40	46	0	46
1	47	4	13	2	6	19	0	43	41	3	0	47
1	48	4	12	2	5	20	0	44	41	20	0	47
1	49	4	11	2	5	21	0	45	41	37	0	48
1	50	4	10	2	4	22	0	46	41	53	0	49
1	51	4	9	2	4	23	0	47	42	9	0	50
1	52	4	8	2	3	24	0	48	42	24	0	51
1	53	4	7	2	2	25	0	49	42	39	0	52
1	54	4	6	2	1	26	0	50	42	53	0	53
1	55	4	5	2	0	27	0	51	43	7	0	54
1	56	4	4	1	59	28	0	51	43	21	0	54
1	57	4	3	1	58	29	0	52	43	35	0	55
1	58	4	2	1	57	30	0	53	43	48	0	56
1	59	4	1	1	56	31	0	54	44	1	0	56
2	0	4	0	1	55	31	0	54	44	13	0	57

Veneris Tercia

Centrum medium				eq° centri		diversitas	long° longior		eq° argumenti		long° propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	1	3	59	1	54	33	0	55	44	27	0	58
2	2	3	58	1	53	33	0	56	44	36	0	59
2	3	3	57	1	52	34	0	57	44	47	1	0
2	4	3	56	1	50	35	0	58	44	57	1	1
2	5	3	55	1	49	36	0	59	45	6	1	2
2	6	3	54	1	48	37	1	0	45	12	1	2
2	7	3	53	1	46	38	1	1	45	21	1	5
2	8	3	52	1	45	39	1	2	45	27	1	6
2	9	3	51	1	44	40	1	3	45	33	1	8
2	10	3	50	1	42	40	1	4	45	39	1	9
2	11	3	49	1	41	41	1	5	45	45	1	10
2	12	3	48	1	39	42	1	6	45	50	1	11
2	13	3	47	1	38	43	1	7	45	54	1	12
2	14	3	46	1	36	44	1	9	45	57	1	13
2	15	3	45	1	34	44	1	10	45	59	1	15
2	16	3	44	1	33	45	1	11	45	59	1	16
2	17	3	43	1	31	46	1	12	45	58	1	17
2	18	3	42	1	30	47	1	14	45	57	1	19
2	19	3	41	1	28	47	1	15	45	55	1	20
2	20	3	40	1	26	48	1	17	45	51	1	21
2	21	3	39	1	24	48	1	19	45	46	1	23
2	22	3	38	1	22	49	1	21	45	39	1	24
2	23	3	37	1	21	49	1	23	45	31	1	27
2	24	3	36	1	19	50	1	24	45	21	1	57
2	25	3	35	1	17	50	1	26	45	9	1	48
2	26	3	34	1	15	51	1	28	44	55	1	30
2	27	3	33	1	13	51	1	29	44	39	1	32
2	28	3	32	1	11	52	1	31	44	21	1	34
2	29	3	31	1	9	52	1	32	44	1	1	36
2	30	3	30	1	7	53	1	33	43	39	1	38

Centrum medium				eq° centri		diversitas	long° longior		eq° argumenti		long° propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	31	3	29	1	5	53	1	35	43	17	1	40
2	32	3	28	1	3	54	1	36	42	58	1	42
2	33	3	27	1	1	54	1	37	42	18	1	44
2	34	3	26	0	59	54	1	38	41	47	1	46
2	35	3	25	0	57	55	1	39	41	8	1	47
2	36	3	24	0	55	56	1	39	40	28	1	48
2	37	3	23	0	52	56	1	40	39	46	1	49
2	38	3	22	0	50	56	1	40	38	58	1	50
2	39	3	21	0	48	57	1	41	38	7	1	51
2	40	3	20	0	46	57	1	41	37	12	1	51
2	41	3	19	0	44	57	1	42	36	12	1	52
2	42	3	18	0	42	57	1	41	35	7	1	52
2	43	3	17	0	40	58	1	40	33	57	1	52
2	44	3	16	0	37	58	1	48	32	44	1	51
2	45	3	15	0	35	58	1	46	31	24	1	50
2	46	3	14	0	33	59	1	44	29	58	1	48
2	47	3	13	0	31	58	1	28	28	27	1	46
2	48	3	12	0	28	59	1	24	26	46	1	43
2	49	3	11	0	26	59	1	28	25	2	1	38
2	50	3	10	0	24	59	1	24	23	12	1	33
2	51	3	9	0	21	59	1	19	21	17	1	27
2	52	3	8	0	19	59	1	12	19	11	1	21
2	53	3	7	0	17	59	1	4	17	41	1	14
2	54	3	6	0	14	60	0	57	14	47	1	6
2	55	3	5	0	12	60	0	48	12	46	0	51
2	56	3	4	0	10	60	0	40	10	4	0	46 10
2	57	3	3	0	7	60	0	31	7	38	0	37
2	58	3	2	0	5	60	0	21	5	9	0	24
2	59	3	1	0	3	60	0	11	2	30	0	12
3	0	3	0	0	0	60	0	0	0	0	0	0

Tabula Mercurii prima

linea medii				equatio centri		diff.	longitudo longior		equatio argumenti		longitudo propior	
S	G	M	S	G	M	M	G	M	G	M	G	M
0	1	5	59	0	3	60	0	2	0	17	0	1
0	2	5	58	0	6	60	0	4	0	33	0	2
0	3	5	57	0	9	60	0	5	0	49	0	3
0	4	5	56	0	12	58	0	7	1	5	0	4
0	5	5	55	0	15	58	0	9	1	22	0	4
0	6	5	54	0	17	58	0	10	1	38	0	5
0	7	5	53	0	20	58	0	12	1	55	0	6
0	8	5	52	0	23	58	0	14	2	11	0	7
0	9	5	51	0	25	58	0	15	2	27	0	8
0	10	5	50	0	28	57	0	17	2	44	0	9
0	11	5	49	0	30	57	0	19	3	0	0	10
0	12	5	48	0	33	57	0	20	3	16	0	11
0	13	5	47	0	35	56	0	22	3	32	0	12
0	14	5	46	0	38	56	0	23	3	48	0	13
0	15	5	45	0	40	55	0	24	4	5	0	14
0	16	5	44	0	43	55	0	26	4	21	0	15
0	17	5	43	0	45	54	0	28	4	37	0	16
0	18	5	42	0	48	54	0	29	4	53	0	17
0	19	5	41	0	50	53	0	31	5	9	0	18
0	20	5	40	0	53	53	0	33	5	25	0	19
0	21	5	39	0	55	52	0	34	5	41	0	20
0	22	5	38	0	58	51	0	36	5	57	0	21
0	23	5	37	1	0	51	0	38	6	13	0	22
0	24	5	36	1	2	50	0	39	6	29	0	23
0	25	5	35	1	5	49	0	41	6	45	0	24
0	26	5	34	1	8	48	0	43	7	1	0	24
0	27	5	33	1	10	47	0	44	7	17	0	25
0	28	5	32	1	13	46	0	46	7	33	0	26
0	29	5	31	1	15	45	0	48	7	49	0	27
0	30	5	30	1	17	44	0	40	8	4	0	28

linea medii				equatio centri		diff.	longitudo longior		equatio argumenti		longitudo propior	
S	G	M	S	G	M	M	G	M	G	M	G	M
0	31	5	29	1	20	43	0	51	8	20	0	29
0	32	5	28	1	22	42	0	53	8	35	0	30
0	33	5	27	1	25	41	0	54	8	50	0	31
0	34	5	26	1	28	40	0	56	9	6	0	32
0	35	5	25	1	30	39	0	58	9	21	0	33
0	36	5	24	1	33	38	0	59	9	36	0	34
0	37	5	23	1	36	36	1	1	9	51	0	35
0	38	5	22	1	38	35	1	2	10	6	0	36
0	39	5	21	1	40	34	1	4	10	21	0	37
0	40	5	20	1	43	33	1	5	10	36	0	38
0	41	5	19	1	45	32	1	7	10	51	0	39
0	42	5	18	1	47	31	1	8	11	6	0	40
0	43	5	17	1	50	29	1	10	11	21	0	41
0	44	5	16	1	52	28	1	12	11	36	0	42
0	45	5	15	1	54	27	1	13	11	50	0	43
0	46	5	14	1	57	25	1	15	12	5	0	44
0	47	5	13	1	59	24	1	16	12	19	0	45
0	48	5	12	2	1	23	1	18	12	34	0	46
0	49	5	11	2	4	21	1	20	12	48	0	47
0	50	5	10	2	6	20	1	22	13	2	0	48
0	51	5	9	2	8	19	1	23	13	16	0	48
0	52	5	8	2	10	17	1	25	13	30	0	49
0	53	5	7	2	12	16	1	27	13	44	0	50
0	54	5	6	2	14	15	1	28	13	58	0	51
0	55	5	5	2	16	13	1	30	14	12	0	52
0	56	5	4	2	18	12	1	32	14	26	0	53
0	57	5	3	2	19	11	1	34	14	39	0	53
0	58	5	2	2	21	9	1	36	14	52	0	54
0	59	5	1	2	23	8	1	38	15	5	0	55
1	0	5	0	2	25	7	1	39	15	18	0	56

Linee medii				Equatio centri		Diversitas diametri	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	31	4	59	2	27	5	1	41	15	31	1	57
1	32	4	58	2	29	4	1	43	15	44	1	58
1	33	4	57	2	31	3	1	44	15	56	1	0
1	4	4	56	2	33	1	1	46	16	9	1	1
1	5	4	55	2	34	1	1	48	16	21	1	2
1	6	4	54	2	36	2	1	49	16	33	1	4
1	7	4	53	2	38	4	1	51	16	45	1	5
1	8	4	52	2	40	6	1	53	16	57	1	6
1	9	4	51	2	41	8	1	54	17	9	1	7
1	10	4	50	2	43	10	1	56	17	21	1	8
1	11	4	49	2	44	12	1	58	17	32	1	9
1	12	4	48	2	45	14	1	59	17	43	1	11
1	13	4	47	2	47	16	2	1	17	54	1	12
1	14	4	46	2	48	18	2	3	18	5	1	13
1	15	4	45	2	49	20	2	4	18	16	1	14
1	16	4	44	2	50	22	2	6	18	27	1	15
1	17	4	43	2	51	24	2	8	18	37	1	16
1	18	4	42	2	52	25	2	9	18	47	1	17
1	19	4	41	2	53	27	2	11	18	57	1	18
1	20	4	40	2	54	29	2	13	19	7	1	19
1	21	4	39	2	55	30	2	14	19	16	1	20
1	22	4	38	2	56	32	2	16	19	25	1	21
1	23	4	37	2	57	34	2	18	19	34	1	22
1	24	4	36	2	58	35	2	19	19	44	1	23
1	25	4	35	2	58	37	2	20	19	53	1	24
1	26	4	34	2	59	38	2	22	20	2	1	25
1	27	4	33	2	59	40	2	24	20	10	1	26
1	28	4	32	3	0	41	2	26	20	18	1	27
1	29	4	31	3	0	43	2	28	20	25	1	28
1	30	4	30	3	1	44	2	29	20	33	1	29

Linee medii				Equatio centri		Diversitas diametri	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	31	4	29	3	1	46	2	31	20	40	1	30
1	32	4	28	3	1	47	2	33	20	47	1	31
1	33	4	27	3	2	48	2	34	20	54	1	32
1	34	4	26	3	2	49	2	36	21	1	1	33
1	35	4	25	3	2	50	2	38	21	7	1	34
1	36	4	24	3	2	50	2	39	21	13	1	35
1	37	4	23	3	2	51	2	41	21	19	1	36
1	38	4	22	3	1	52	2	43	21	24	1	37
1	39	4	21	3	1	53	2	44	21	29	1	38
1	40	4	20	3	1	54	2	46	21	34	1	39
1	41	4	19	3	0	55	2	48	21	38	1	40
1	42	4	18	3	0	56	2	49	21	42	1	41
1	43	4	17	2	59	56	2	50	21	46	1	42
1	44	4	16	2	59	57	2	52	21	49	1	43
1	45	4	15	2	58	58	2	53	21	52	1	44
1	46	4	14	2	58	58	2	55	21	55	1	45
1	47	4	13	2	57	58	2	57	21	55	1	46
1	48	4	12	2	56	58	2	58	21	59	1	47
1	49	4	11	2	55	59	2	0	22	0	1	48
1	50	4	10	2	54	59	3	1	22	1	1	49
1	51	4	9	2	53	59	3	2	22	2	1	50
1	52	4	8	2	52	59	3	3	22	2	1	51
1	53	4	7	2	51	60	3	3	22	1	1	52
1	54	4	6	2	50	60	3	4	22	0	1	53
1	55	4	5	2	49	60	3	4	21	59	1	54
1	56	4	4	2	48	60	3	5	21	58	1	55
1	57	4	3	2	46	60	3	6	21	56	1	55
1	58	4	2	2	45	60	3	6	21	53	1	56
1	59	4	1	2	43	60	3	7	21	50	1	57
2	0	4	0	2	41	60	3	8	21	47	1	57

Lune medie				equatio centri		minuta proportionalia	longitudo longior		equatio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	1	3	59	2	39	60	3	8	21	43	1	58
2	2	3	58	2	37	60	3	9	21	38	1	58
2	3	3	57	2	35	60	3	9	21	33	1	58
2	4	3	56	2	34	59	3	9	21	27	1	59
2	5	3	55	2	32	59	3	10	21	21	1	59
2	6	3	54	2	30	59	3	10	21	15	1	59
2	7	3	53	2	28	59	3	11	21	8	2	0
2	8	3	52	2	26	58	3	11	20	1	2	0
2	9	3	51	2	24	58	3	12	20	53	2	0
2	10	3	50	2	22	58	3	12	20	44	2	0
2	11	3	49	2	20	57	3	12	20	35	2	1
2	12	3	48	2	18	57	3	11	20	25	2	1
2	13	3	47	2	16	57	3	11	20	14	2	1
2	14	3	46	2	14	56	3	10	19	2	2	1
2	15	3	45	2	11	56	3	9	19	50	2	1
2	16	3	44	2	9	56	3	8	19	37	2	1
2	17	3	43	2	7	56	3	7	19	24	2	0
2	18	3	42	2	4	55	3	6	19	10	2	0
2	19	3	41	2	2	55	3	5	18	55	2	0
2	20	3	40	1	0	54	3	4	18	40	2	0
2	21	3	39	1	57	53	3	2	18	24	2	0
2	22	3	38	1	55	53	3	1	18	7	1	59
2	23	3	37	1	52	52	2	59	17	50	1	59
2	24	3	36	1	49	52	2	57	17	32	1	58
2	25	3	35	1	47	51	2	55	17	14	1	57
2	26	3	34	1	44	51	2	53	16	55	1	55
2	27	3	33	1	41	50	2	51	16	37	1	53
2	28	3	32	1	38	49	2	48	16	14	1	51
2	29	3	31	1	35	49	2	45	15	53	1	49
2	30	3	30	0	32	48	2	42	15	35	1	47

Lune medie				equatio centri		minuta proportionalia	longitudo longior		equatio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	31	3	29	1	30	[illegible]	2	39	15	8	1	45
2	32	3	28	1	27	47	2	36	14	44	1	43
2	33	3	27	1	24	47	2	32	14	20	1	41
2	34	3	26	1	21	46	2	29	13	55	1	39
2	35	3	25	1	18	46	2	25	13	29	1	37
2	36	3	24	1	15	45	2	21	13	3	1	34
2	37	3	23	1	12	45	2	17	12	36	1	32
2	38	3	22	1	9	44	2	13	12	9	1	29
2	39	3	21	1	6	44	2	9	11	41	1	26
2	40	3	20	1	3	43	2	5	11	12	1	23
2	41	3	19	1	0	43	2	0	10	43	1	20
2	42	3	18	0	57	43	1	55	10	13	1	17
2	43	3	17	0	54	42	1	50	9	43	1	14
2	44	3	16	0	51	42	1	44	9	12	1	11
2	45	3	15	0	48	42	1	38	8	40	1	7
2	46	3	14	0	45	42	1	32	8	7	1	4
2	47	3	13	0	42	41	1	26	7	34	1	0
2	48	3	12	0	[illegible]	41	1	19	7	1	0	56
2	49	3	11	0	[illegible]	41	1	16	6	27	0	52
2	50	3	10	0	[illegible]	41	1	7	5	53	0	47
2	51	3	9	0	[illegible]	41	1	1	5	19	0	43
2	52	3	8	0	[illegible]	40	0	55	4	44	0	38
2	53	3	7	0	21	40	0	48	4	10	0	33
2	54	3	6	0	19	40	0	42	3	35	0	28
2	55	3	5	0	16	40	0	35	3	0	0	24
2	56	3	4	0	12	40	0	28	2	24	0	18
2	57	3	3	0	9	40	0	21	1	48	0	14
2	58	3	2	0	6	40	0	14	1	12	0	10
2	59	3	1	0	[illegible]	40	0	7	0	36	0	5
3	0	3	0	0	0	40	0	0	0	0	0	0

Tabula equacionis dierum cum noctibus suis

[illegible]	Cap equacio dierum		Aquar equacio dierum		Pisc equacio dierum		Ari equacio dierum		Thau equacio dierum		Gemi equacio dierum		Canc equacio dierum		Leo equacio dierum		Virgo equacio dierum		Lib equacio dierum		Scor equacio dierum		Sagi equacio dierum	
	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M
1	3	46	0	38	0	9	2	7	4	33	5	19	4	4	2	51	3	43	6	5	7	53	7	5
2	3	37	0	34	0	11	2	12	4	36	5	17	4	1	2	50	3	47	6	10	7	54	7	0
3	3	29	0	31	0	13	2	17	4	39	5	15	3	57	2	50	3	51	6	15	7	54	6	55
4	3	22	0	27	0	15	2	22	4	43	5	14	3	54	2	50	3	55	6	20	7	54	6	50
5	3	14	0	23	0	18	2	27	4	46	5	13	3	50	2	49	3	59	6	25	7	55	6	45
6	3	7	0	21	0	21	2	33	4	49	5	12	3	47	2	50	4	4	6	30	7	56	6	40
7	3	0	0	19	0	23	2	38	4	53	5	10	3	44	2	51	4	8	6	35	7	56	6	34
8	2	52	0	16	0	26	2	42	4	56	5	8	3	41	2	51	4	12	6	40	7	57	6	28
9	2	45	0	14	0	30	2	48	4	58	5	6	3	38	2	52	4	17	6	44	7	57	6	22
10	2	38	0	12	0	33	2	53	4	1	5	4	3	35	2	52	4	22	6	48	7	56	6	16
11	2	31	0	10	0	37	2	59	4	3	5	1	3	32	2	54	4	26	6	53	7	56	6	10
12	2	24	0	8	0	40	3	4	4	6	4	59	3	38	2	56	4	31	6	57	7	55	6	2
13	2	17	0	6	0	44	3	9	4	9	4	57	3	25	2	58	4	36	7	1	7	55	5	58
14	2	10	0	4	0	48	3	15	4	10	4	55	3	22	2	58	4	40	7	5	7	54	5	52
15	2	3	0	3	0	52	3	21	5	12	4	52	3	19	3	0	4	46	7	8	7	53	5	45
16	1	57	0	2	0	56	3	27	5	14	4	49	3	16	3	2	4	50	7	12	7	51	5	38
17	1	51	0	1	1	1	3	31	5	17	4	46	3	13	3	5	4	56	7	16	7	50	5	30
18	1	45	0	0	1	5	3	36	5	17	4	43	3	12	3	7	5	1	7	20	7	48	5	23
19	1	39	0	0	1	9	3	40	5	18	4	40	3	9	3	9	5	6	7	23	7	46	5	16
20	1	33	0	0	1	14	3	45	5	19	4	37	3	7	3	11	5	11	7	26	7	44	5	9
21	1	27	0	0	1	19	3	50	5	19	4	34	3	5	3	14	5	16	7	29	7	41	5	2
22	1	22	0	0	1	23	3	55	5	20	4	31	3	3	3	17	5	20	7	32	7	38	4	55
23	1	16	0	0	1	28	4	0	5	20	4	28	3	1	3	20	5	25	7	35	7	36	4	48
24	1	10	0	0	1	33	4	4	5	20	4	55	3	59	3	23	5	30	7	38	7	32	4	40
25	1	5	0	0	1	37	4	9	5	21	4	22	2	57	3	26	5	37	7	41	7	28	4	32
26	1	1	0	1	1	42	4	13	5	21	4	19	2	56	3	29	5	40	7	43	7	27	4	28
27	0	57	0	2	1	47	4	17	5	21	4	16	2	55	3	31	5	41	7	47	7	21	4	17
28	0	52	0	3	1	52	4	21	5	20	4	13	2	54	3	33	5	50	7	47	7	17	4	9
29	0	47	0	4	1	57	4	25	5	20	4	10	2	53	3	35	5	55	7	49	7	14	4	2
30	0	42	0	6	2	2	4	29	5	20	4	7	3	52	3	37	6	0	7	51	7	10	3	54

[illegible] tabula [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Tabula altitudinum seu diversitatis portionum

linee numeri communes		latitudo portionum		altitudo divisionis	altitudo egressionis
Gra	Gra	M	2	M	M
6	354	0	21	0	0
12	348	0	42	0	0
18	342	1	42	0	1
24	336	2	42	1	2
30	330	4	1	1	3
36	324	5	21	1	4
42	318	7	18	2	5
48	312	9	15	2	6
54	306	11	37	2	8
60	300	14	0	3	9
66	294	16	48	3	11
72	288	19	36	4	13
78	282	22	36	4	14
84	276	25	36	5	16
90	270	28	42	6	17
96	264	31	48	6	19
102	258	34	54	7	21
108	252	38	0	8	22
114	246	41	0	8	24
120	240	44	0	9	26
126	234	46	45	9	27
132	228	49	30	10	28
138	222	51	39	10	29
144	216	53	42	11	30
150	210	55	38	11	30
156	204	57	17	11	31
162	198	58	18	12	31
168	192	59	21	12	32
174	186	59	41	12	32
180	180	60	0	12	32

Tabula retrogradationis planetarum Stationum et directionum Et motuum cum arte veri corporis

	S	G	M	
	S	G	M	Porcio equata Saturni
Inicium prime	3	24	44	
Stationis	3	27	30	Retrogradacionis Inicium
Retrogradacionis finis	8	4	30	
	8	7	16	Stationis prime finis
Porcio equata Iovis	S	G	M	
	4	4	7	Inicium Stationis prime Iovis
Retrogradacionis Inicium	4	7	11	
	7	22	49	Retrogradacionis finis
Stationis 2e finis	7	25	55	
	S	G	M	Porcio equata Martis
Inicium prime Stationis Martis	5	7	28	
	5	19	25	Retrogradacionis Inicium
Retrogradacionis ffinis	6	10	45	
	6	22	33	Stationis secunde finis
Porcio equata Veneris	S	G	M	
	5	15	51	Inicium Stationis prime Veneris
Retrogradacionis Inicium	5	18	21	
	6	11	39	Retrogradacionis ffinis
Stationis 2e finis	6	34	9	
	S	G	M	Porcio equata Mercurii
Inicium Stationis prime Mercurii	4	24	42	
	4	27	14	Retrogradacionis Inicium
Retrogradacionis finis	7	2	46	
	7	5	16	Stationis prime finis

Tabula diversitatis aspectus lune [illegible] ad latitudinem [illegible]

[illegible]

Cancri		Longitudo	Latitudo	Leonis	Longitudo	Longitudo	Latitudo	Virginis		Longitudo	Latitudo	Librae		Longitudo	Latitudo	Scorpionis		Longitudo	Latitudo	Sagittarii		Longitudo	Latitudo	Capricorni		Longitudo	Latitudo
g	m	m	m	g	m	m	m	g	m	m	m	g	m	m	m	g	m	m	m	g	m	m	m	g	m	m	m
8	12	26	44	8	12	35	38	6	29	47	28	6		46	21	5	1	42	28	4	10	36	32	3	41	27	41
7		28	40	7		36	25	6		47	23	5		44	22	5		42	26	4		34	33	3		22	44
6		30	37	6		3	29	5		43	22	4		41	23	4		40	28	3		30	37	2		16	46
5		29	34	5		35	27	4		40	21	3		35	25	3		36	32	2		35	41	1		8	44
4		26	31	4		32	25	3		31	20	2		30	26	2		31	24	1		19	44			0	0
3		22	27	3		28	24	2		27	24	1		24	28	1		25	38			0	0			0	0
2		16	25	2		21	23	1		19	27			0	0			0	0			0	0			0	0
1		8	23	1		14	23			0	0			0	0			0	0			0	0			0	0
Caput		0	22	Caput		5	24	Caput		12	30	Caput		1	31	Caput		18	40	Caput		10	46	Caput		0	49
1		8	23	1		2	27			0	0			0	0			0	0			0	0			0	0
2		16	25	2		9	30	1		4	33			0	0			0	0			0	0			0	0
3		22	27	3		15	32	2		6	37	1		8	35	1		9	44			0	0			0	0
4		26	31	4		18	35	3		11	40	2		0	38	2		0	46	1		1	47			0	0
5		29	34	5		20	38	4		15	43	3		6	43	3		6	44	2		5	48	1		8	48
6		30	37	6		21	41	5		18	45	4		12	45	4		11	48	3		10	49	2		16	46
7		28	40	7		20	43	4		18	47	5		15	48	5		15	48	4		17	48	3		22	42
8	12	26	44	8	49	18	41	6	29	17	48	6		17	49	5	1	16	48	4		18	47	3	47	27	41
g	m	m	m	g	m	m	m	g	m	m	m	g	m	m	m	g	m	m	m	g	m	m	m	g	m	m	m
Cancri		Longitudo	Latitudo	Geminis		Longitudo	Latitudo	Tauri		Longitudo	Latitudo	Arietis		Longitudo	Latitudo	Piscis		Longitudo	Latitudo	Aquarii		Longitudo	Latitudo	Capricorni		Longitudo	Latitudo

Tabula possibilitatis eclipsis Solis et lune in quarto latitudinis lune

Meridional		5	49	50	51	52	53	54	55	56	57	58	59	60	lune in capite draconis [illegible] ante
Septentrionalis	Sol	0	1	2	3	4	5	6	7	8	9	10	11	12	lune in capite draconis [illegible] post
Meridionalis	Sol	2	49	50	51	52	53	54	55	56	57	58	59	60	lune in cauda draconis [illegible] ante
Septentrional		3	1	2	3	4	5	6	7	8	9	10	11	12	lune in cauda draconis [illegible] post
		8	9	m	2	3	4	5	6	7	8	9	10	11	

Tabula veri motus luminarium in una hora et in uno minuto diei

3	Anomalie communis Gradus	Gradus	Motus solis in una hora M	2	3	Motus lune in una hora M	2	3	3	Motus solis in uno minuto diei M	2	3	Motus lune in uno minuto diei M	2	3
13	0	360	2	22	30	29	37	13	13		57	0	11	50	53
19	6	354	2	22	33	29	39	19	19		57	1	11	51	43
6	12	348	2	22	37	29	42	6	6		57	2	11	52	50
17	18	342	2	22	38	29	46	17	17		57	3	11	54	31
11	24	336	2	22	55	29	55	11	11		57	10	11	56	44
31	30	330	2	23	15	29	59	31	31		57	17	11	59	48
34	36	324	2	23	21	30	8	34	34		57	26	11	3	27
43	42	318	2	23	44	30	19	43	43		57	29	12	7	53
15	48	312	2	24	7	30	32	15	15		57	38	12	12	54
53	54	306	2	24	34	30	46	53	53		57	49	12	18	47
55	60	300	2	25	8	31	2	55	55		58	3	12	25	10
55	66	294	2	25	43	31	18	55	55		58	18	12	31	34
47	72	288	2	26	12	31	37	47	47		58	29	12	39	6
15	78	282	2	26	39	31	57	47	47		58	39	12	46	54
47	84	276	2	27	7	32	16	35	15		58	51	12	54	42
47	90	270	2	27	46	32	39	[illegible]	47		59	7	13	3	54
31	96	264	2	28	28	33	8	47	47		59	22	13	14	13
36	102	258	2	28	53	33	30	31	31		59	33	13	21	28
25	108	252	2	29	20	33	49	36	36		59	44	13	31	46
19	114	246	2	30	14	34	10	[illegible]	[illegible]	1	0	7	13	46	8
25	120	240	2	30	46	34	37	19	19		0	15	13	50	10
23	126	234	2	31	23	34	58	[illegible]	[illegible]		0	33	13	59	58
35	132	228	2	31	38	35	18	33	23		0	39	14	7	47
47	138	222	2	32	15	35	28	37	[illegible]		0	53	14	15	32
36	144	216	2	32	25	35	57	47	47		0	58	14	23	3
27	150	210	2	33	2	36	13	36	36		1	13	14	29	27
15	156	204	2	33	7	36	28	37	37		1	14	14	35	18
0	162	198	2	33	9	36	37	17			1	17	14	39	12
22	168	192	2	33	21	36	46	[illegible]			1	24	14	42	33
15	174	186	2	33	32	36	53	[illegible]			1	27	14	47	18
54	180	180	2	33	44	36	58	[illegible]			1	28	14	47	33

[illegible]

Eclipsis Solis ad longitudinem longiorem

Porcio latitudinis septentrionalis				Puncta eclipsis		Minuta casus	
G	m	G	m	p	m	m	2
6	27	173	23	0	0	0	0
6	30	173	30	0	11	5	30
6	0	174	0	1	5	13	7
5	30	174	30	1	55	17	10
5	0	175	0	2	45	20	10
4	30	175	30	3	31	22	44
4	0	176	0	4	29	24	41
3	30	176	30	5	21	26	15
3	0	177	0	6	13	27	21
2	30	177	30	7	6	28	29
2	0	178	0	7	57	29	28
1	30	178	30	8	48	30	7
1	0	179	0	9	39	30	34
0	30	179	30	10	32	30	51
0	0	180	0	10	45	30	55
179	30	180	30	11	32	30	51

Eclipsis Solis ad longitudinem propinquiorem

b

Argumentum latitudinis meridianae				Puncta		Minuta casus	
359	30	180	30	11	30	33	30
359	0	181	0	10	38	33	15
358	30	181	30	9	47	32	45
358	0	181	0	8	56	32	15
357	30	182	30	8	5	31	31
357	0	182	0	7	55	30	19
356	30	183	30	6	20	29	57
356	0	183	0	5	28	27	13
355	30	184	30	4	37	26	12
355	0	184	0	3	45	24	3
354	30	185	30	2	53	21	17
354	0	185	0	2	0	18	32
353	30	186	30	1	9	14	16
353	0	186	0	0	17	7	16
352	30	187	11	0	0	0	0
G	m	G	m	p	m	m	2

Eclipsis Solis ad longitudinem longiorem

Argumentum latitudinis meridianae				Puncta		Minuta casus	
G	m	G	m	p	m	m	2
359	30	180	30	10	32	30	51
359	0	181	0	9	29	30	27
358	30	181	30	8	28	30	7
358	0	182	0	7	57	29	28
357	30	182	30	7	6	28	39
357	30	183	0	6	13	27	21
356	30	183	30	5	21	26	15
356	0	184	0	4	29	24	41
355	30	184	30	3	37	22	44
355	0	185	0	2	45	20	10
354	30	185	30	1	55	17	10
354	0	186	0	1	5	13	7
354	30	186	30	0	11	5	30
353	0	187	[illegible]	0	0	0	0
352	30						
352	0						
351	30						

Proportio cum equatione ad Solem et lunam	Puncta dyametri ad Solem		Puncta ad Solem	
G	p	m	p	m
1	0	20	0	30
2	1	0	1	10
3	2	45	2	8
4	3	40	3	10
5	4	40	4	20
6	5	40	5	30
7	7	40	6	45
8	8	0	8	0
9	9	20	9	10
10	10	20	10	20
11	11	20	11	20
12	12	0	12	0

Tabla quantitatis Tenebrarum eclipsis

Puncta diametri lune	Quantitas tenebre eclipsis Solis		Quantitas tenebre eclipsis lune	
G	p	m	p	m
1	0	20	0	30
2	1	0	1	10
3	1	20	2	5
4	2	40	3	10
5	3	20	4	20
6	4	40	5	30
7	5	50	6	40
8	7	0	8	0
9	8	20	9	10
10	9	40	10	20
11	10	50	11	20
12	12	0	12	0

Tabula latitudinis lune in principio et in medio et in fine eclipsis

Argumentum latitudinis naturalis				Argumentum latitudinis in principio			in medio	Latitudo lune		
S	G	S	G	S	G	S	G	G	M	2
0	0	6	0	12	0	6	0	0	0	0
0	1	5	29	11	29	6	1	0	5	13
0	2	5	28	11	28	6	2	0	10	27
0	3	5	27	11	27	6	3	0	15	4
0	4	5	26	11	26	6	4	0	20	52
0	5	5	25	11	25	6	5	0	26	7
0	6	5	24	11	24	6	6	0	31	13
0	7	5	23	11	23	6	7	0	36	31
0	8	5	22	11	22	6	8	0	41	42
0	9	5	21	11	21	6	9	0	46	52
0	10	5	20	11	20	6	10	0	52	1
0	11	5	19	11	19	6	11	0	57	9
0	12	5	18	11	18	6	12	1	2	16
0	13	5	17	11	17	6	13	1	7	13

Tabule eclipsis Sol[is] ad longitudinem in principio

2 por. a

Porcio latitudinis septentrionalis				puncta eclipsis		minuta casus	
G	M	G	M	P	M	G	2
7	1	173	49	0	0	0	0
7	0	173	0	0	17	7	56
6	30	173	30	1	9	14	11
6	0	174	0	2	0	8	32
5	30	174	30	3	53	21	37
5	0	175	0	3	45	24	2
4	30	175	30	4	17	26	12
4	0	176	0	5	28	27	53
3	30	176	30	6	20	29	17
3	0	177	0	7	12	30	19
2	30	177	30	8	5	31	31
2	0	178	0	9	56	32	15
1	30	178	30	9	37	32	49
1	0	179	0	10	48	33	15
0	30	179	30	11	30	33	37
0	0	180	0	12	44	33	34

Tabula eclipsis Sol[is] ad longitudinem in principio

Tabula diversitatis aspectus lune ad solem

elongacio		M
G	G	M
0	360	0
6	354	0
12	348	0
18	342	0
24	336	1
30	330	1
36	326	1
42	324	2
48	318	2
54	312	2
60	300	3
66	294	3
72	288	4
78	284	4
84	286	5
90	270	6
96	266	6
102	248	7
108	252	8
114	256	8
120	280	9
126	284	9
132	238	10
138	232	10
144	216	11
150	210	11
156	204	11
162	298	12
168	292	12
174	186	12
180	180	12

Tabula eclipsis Solis in longitudine longitudo

Latitudo lune		puncta eclipsis	Minuta casus	
M	2	P	M	2
31	0	0	0	0
28	18	1	12	39
25	35	2	17	30
22	53	3	20	25
20	17	4	23	33
17	28	5	25	36
14	41	6	27	36
12	3	7	28	34
9	20	8	29	33
6	38	9	30	17
3	55	10	30	45
1	3	11	30	59
0	0	12	31	0

Tabule eclipsis Solis in longitudine in principio

Latitudo lune		puncta eclipsis	Minuta casus	
M	2	P	M	2
38	0	0	0	0
31	18	1	11	16
28	35	2	18	25
25	53	3	22	2
23	10	4	24	56
20	20	5	24	9
17	47	6	29	0
15	3	7	30	30
12	20	8	31	56
9	38	9	33	37
6	55	10	33	54
4	13	11	33	44
1	37	12	33	48
0	0	12	34	0

Tabula eclipsis lune ad suas longitudines

Longitudo lune a nodo		Latitudo lune		Puncta eclipsis	Minuta casus		Minuta more	
G	m	m	2	p	m	2	m	2
9	11	52	0	0	0	0	0	0
8	43	50	33	1	17	36	0	0
8	18	48	5	2	22	39	0	0
7	46	45	38	3	27	16	0	0
7	17	43	10	4	29	45	0	0
6	49	40	43	5	33	17	0	0
6	20	38	17	6	36	22	0	0
5	53	35	44	7	39	5	0	0
5	22	33	22	8	41	52	0	0
4	55	30	23	9	43	5	0	0
4	36	28	25	10	45	44	0	0
3	58	25	58	11	46	12	0	0
3	30	23	30	12	47	30	0	0
3	20	21	3	13	48	11	10	0
2	24	18	35	14	35	14	14	27
2	5	16	8	15	33	24	14	23
1	27	13	40	16	32	5	19	5
1	9	11	13	17	31	9	20	39
1	41	8	45	18	30	27	21	49
0	12	6	18	19	29	58	22	39
0	44	3	50	20	29	41	23	11
0	16	1	23	21	29	31	23	28
0	0	0	0	21	29	20	23	30

Tabula eclipsis lune ad suam longitudinem propriorem

Longitudo lune a nodo		Latitudo lune		Puncta eclipsis	Minuta casus		Minuta more	
G	m	m	2	p	m	2	m	2
12	17	63	36	0	0	0	0	0
11	41	60	39	1	19	9	0	0
11	7	57	43	2	27	20	0	0
10	33	54	46	3	32	35	0	0
9	58	51	49	4	30	53	0	0
9	24	48	56	5	40	41	0	0
8	49	45	59	6	43	59	0	0
8	17	42	3	7	47	13	0	0
7	41	40	6	8	49	27	0	0
7	7	37	9	9	51	40	0	0
6	33	38	13	10	53	39	0	0
5	59	31	16	11	55	27	0	0
5	27	28	19	12	56	29	0	0
4	51	25	23	13	40	40	12	35
4	17	22	26	14	40	17	17	16
3	43	19	29	15	40	2	20	32
3	9	16	33	16	38	27	22	38
2	36	13	36	17	37	20	34	18
2	2	10	40	18	36	27	26	2
1	28	7	40	19	37	56	27	12
0	24	4	43	20	37	37	27	52
0	20	1	40	21	37	23	28	13
0	0	0	40	21	37	20	23	16

p	[illegible]	[illegible]	[illegible]
0	90	90	0
1	67	73	0
2	57	64	0
3	49	59	0
4	43	44	0
5	37	50	0
6	31	46	0
7	26	43	0
8	21	39	0
9	16	36	0
10	11	32	0
11	6	29	0
12	2	26	90
13	0	23	64
14	0	21	52
15	0	18	43
16	0	17	36
17	0	12	29
18	0	10	22
19	0	17	16
20	0	9	10
21	0	2	4
n	)	p	p

Numerus punctorum eclipsis secundum dyametrum, minuta eclipsis solis et lune, puncta eclipsis solis et lune et minuta casus, puncta eclipsis lune et minuta recessus

[illegible]

[illegible]

Tabula eclipsis lune ad suam longitudinem longiorem

Argumentum Septentrionale				puncta eclipsis		minuta casus		minuta more	
G	M	G	M	P	M	M	2	M	2
11	0	169	0	0	0	0	0	0	0
10	30	169	30	0	40	12	10	0	0
10	0	170	0	1	40	19	30	0	0
9	30	170	30	2	40	24	32	0	0
9	0	171	0	3	32	28	7	0	0
8	30	171	30	4	35	31	13	0	0
8	0	172	0	5	30	34	10	0	0
7	30	172	30	6	25	36	37	0	0
7	0	173	0	7	23	34	42	0	0
6	30	173	30	8	21	40	28	0	0
6	0	174	0	9	20	43	11	0	0
5	30	174	30	10	17	44	36	0	0
5	0	175	0	11	14	42	52	0	0
4	30	175	30	12	11	46	4	0	0
4	0	176	0	13	9	34	42	10	21
3	30	176	30	14	7	36	1	13	47
3	0	177	0	15	10	31	44	15	48
2	30	177	30	16	2	30	38	17	40
2	0	178	0	17	0	30	31	19	14
1	30	178	30	17	57	29	30	20	12
1	0	179	0	18	53	29	52	20	52
0	30	179	30	19	50	29	19	21	16
0	0	180	0	20	46	29	16	21	22

Tabula eclipsis lunaris ad longitudinem propiorem

Argumentum latitudinis meridionale				puncta		minuta casus		minuta more	
G	M	G	M	P	M	M	2	M	2
13	0	167	0	0	26	12	25	0	0
12	30	167	30	1	13	10	22	0	0
12	0	168	0	2	2	26	7	0	0
11	30	168	30	2	50	34	22	0	0
11	0	169	0	3	30	34	27	0	0
10	30	169	30	4	34	37	7	0	0
10	0	170	0	5	29	41	27	0	0
9	30	170	30	6	10	43	26	0	0
9	0	171	0	6	54	45	21	0	0
8	30	171	30	7	41	47	25	0	0
8	0	172	0	8	31	49	28	0	0
7	30	172	30	9	26	51	6	0	0
7	0	173	0	10	11	52	44	0	0
6	30	173	30	10	54	54	9	0	0
6	0	174	0	11	43	55	20	0	0
5	30	174	30	12	35	47	14	9	7
5	0	175	0	13	27	43	53	14	9
4	30	175	30	14	25	40	54	17	25
4	0	176	0	15	0	39	9	19	57
3	30	176	30	15	50	37	50	21	57
3	0	177	0	16	38	36	51	23	32
2	30	177	30	17	25	36	0	24	49
2	0	178	0	18	17	35	31	25	49
1	30	178	30	19	7	35	7	26	32
1	0	179	0	19	44	34	49	27	2
0	30	179	30	20	43	34	49	27	16
0	0	180	0	21	31	34	35	27	27

Tabula eclipsis lunaris ad longitudinem longiorem

Argumentum latitudinis		Latitudo mediae		Puncta eclipsis		Minuta casus		Minuta more	
G	M	G	M	P	M	M	2	M	2
360	0	180	0	20	46	29	16	21	22
359	30	180	30	19	50	29	19	21	16
359	0	181	0	18	53	29	52	20	52
358	30	181	30	17	57	30	3	20	12
358	0	182	0	17	0	30	31	19	14
357	30	182	30	16	2	31	38	17	38
357	0	183	0	15	54	38	44	17	48
356	30	183	30	14	7	34	1	13	47
356	0	184	0	13	9	36	43	10	22
355	30	184	30	12	11	45	4	0	0
355	0	185	0	5	14	44	52	0	0
354	30	185	30	10	16	43	36	0	0
354	0	186	0	9	20	42	5	0	0
353	30	186	30	8	21	40	28	0	0
353	0	187	0	7	23	38	43	0	0
352	30	187	30	6	27	36	27	0	0
352	0	188	0	5	30	34	10	0	0
351	30	188	30	4	32	31	13	0	0
351	0	189	0	3	37	21	7	0	0
350	30	189	30	2	40	24	32	0	0
350	0	190	0	1	40	19	30	0	0
349	30	190	30	4	47	12	10	0	0
349	0	191	0	0	0	0	0	0	0

Tabula eclipsis lunaris ad longitudinem propiorem

Argumentum latitudinis		Latitudo medii		Puncta eclipsis		Minuta casus		Minuta more	
G	M	G	M	P	M	M	2	M	2
360	0	180	0	21	31	38	35	27	27
359	30	180	30	20	43	38	40	27	16
359	0	181	0	19	54	38	49	27	2
358	30	181	30	19	5	35	5	26	32
358	0	182	0	18	15	35	31	25	47
357	30	182	30	17	25	36	0	24	49
357	0	183	0	16	38	36	51	23	32
356	30	183	30	15	50	37	50	21	57
356	0	184	0	15	0	39	9	19	57
355	30	184	30	14	25	40	54	17	15
355	0	185	0	13	27	43	53	14	9
354	30	185	30	12	35	47	14	9	7
354	0	186	0	11	43	55	20	0	0
353	30	186	30	10	54	54	9	0	0
353	0	187	0	10	11	52	44	0	0
352	30	187	30	9	26	51	6	0	0
352	0	188	0	8	31	49	28	0	0
351	30	188	30	7	41	47	27	0	0
351	0	189	0	6	54	45	21	0	0
350	30	189	30	6	10	43	26	0	0
350	0	190	0	5	29	41	27	0	0
349	30	190	30	4	38	37	0	0	0
349	0	191	0	3	36	34	27	0	0
348	30	191	30	2	50	30	22	0	0
348	0	192	0	2	2	26	7	0	0
347	30	192	30	1	13	20	52	0	0
347	0	193	0	0	26	12	27	0	0

[illegible]

Tabula proportionis aucta per duos G

Gradus proportionis		minuta proportionalia		Gradus proportionis		minuta propor.		Gradus propor.		Minuta proportionalia	
G	G	M	2	G	G	M	2	G	G	M	2
2	360	0	2	62	298	14	52	122	238	44	0
4	358	0	6	64	296	15	44	124	236	45	0
6	356	0	12	66	294	16	41	126	234	46	7
8	354	0	20	68	292	17	38	128	232	47	46
10	352	0	30	70	290	18	36	130	230	48	57
12	350	0	42	72	288	19	36	132	228	49	30
14	348	0	57	74	286	20	36	134	226	50	19
16	346	1	17	76	284	21	36	136	224	51	6
18	344	1	34	78	282	22	36	138	222	52	50
20	342	1	55	80	280	23	36	140	220	53	32
22	340	2	18	82	278	24	36	142	218	54	11
24	338	2	42	84	276	25	36	144	216	55	48
26	330	3	5	86	274	26	38	146	214	54	24
28	334	3	25	88	272	27	40	148	212	54	59
30	332	3	54	90	270	28	42	150	210	57	34
32	330	4	21	92	268	29	44	152	208	58	8
34	328	4	50	94	266	30	46	154	206	58	42
36	326	5	21	96	264	31	48	156	204	59	17
38	324	5	57	98	262	32	50	158	202	59	43
40	322	6	37	100	260	33	52	160	200	59	8
42	320	7	13	102	258	34	54	162	198	59	31
44	318	7	52	104	256	35	56	164	196	59	50
46	316	8	31	106	254	36	50	166	194	59	7
48	314	9	17	108	252	38	0	168	192	59	21
50	312	10	0	120	250	39	0	170	190	59	33
52	310	10	40	112	248	40	0	172	188	59	43
54	308	11	33	114	246	41	0	174	186	59	51
56	306	12	21	116	244	42	0	176	184	59	56
58	304	13	10	118	242	43	0	178	182	59	58
60	304	14	0	120	240	44	0	180	180	60 0	0

[illegible]

Septentrionalis

Tabula latitudinis lune

Numeri communes		0 Latitudo lune et est ascendens			1 Latitudo lune et est ascendens			2 Latitudo lune et est ascendens			3 Latitudo lune et est ascendens			4 Latitudo lune et est descendens			5 Latitudo lune et est descendens			
G	G	G	M	2	G	M	2	G	M	2	G	M	2	G	M	2	G	M	2	
1	29	0	5	13	2	33	28	4	22	22	4	59	58	4	17	7	2	25	17	29
2	28	0	10	27	2	38	52	4	24	51	4	59	50	4	14	22	2	20	40	28
3	27	0	15	40	2	44	57	4	27	14	4	59	35	4	11	30	2	16	2	27
4	26	0	20	53	2	47	39	4	29	34	4	59	15	4	8	37	2	11	22	26
5	25	0	26	7	2	51	57	4	31	49	4	58	51	4	5	38	2	6	40	25
6	24	0	31	19	2	57	10	4	33	59	4	58	21	4	2	35	2	1	56	24
7	23	0	36	31	3	0	21	4	36	4	4	57	47	3	59	28	1	57	4	23
8	22	0	41	42	3	4	29	4	38	4	4	57	4	3	56	16	1	52	17	22
9	21	0	46	52	3	8	35	4	40	0	4	56	17	3	53	0	1	47	23	21
10	20	0	52	1	3	12	39	4	41	52	4	55	25	3	49	40	1	42	27	20
11	19	0	57	9	3	16	39	4	43	38	4	54	28	3	46	17	1	37	29	19
12	18	0	2	16	3	20	35	4	45	18	4	53	25	3	42	49	1	32	31	18
13	17	1	7	23	3	24	26	4	46	52	4	52	17	3	39	17	1	27	33	17
14	16	1	12	30	3	28	17	4	48	20	4	51	3	3	35	41	1	22	35	16
15	15	1	17	36	3	32	0	4	49	44	4	49	44	3	32	0	1	17	30	15
16	14	1	22	35	3	35	41	4	51	3	4	48	20	3	28	17	1	12	30	14
17	13	1	27	33	3	38	17	4	52	17	4	46	51	3	24	26	1	7	23	13
18	12	1	32	31	3	42	49	4	53	35	4	45	18	3	0	36	1	2	16	12
19	11	1	37	29	3	46	17	4	54	28	4	43	38	3	16	39	0	57	9	11
20	10	1	42	27	3	49	40	4	55	27	4	41	52	3	12	39	0	52	1	10
21	9	1	47	23	3	53	0	4	56	17	4	40	0	3	8	39	0	46	52	9
22	8	1	52	17	3	56	16	4	57	4	4	38	4	3	4	29	0	41	42	8
23	7	1	57	8	3	59	28	4	57	47	4	36	4	3	0	21	0	35	31	7
24	6	2	1	56	4	2	37	4	58	25	4	33	59	2	56	50	0	31	19	6
25	5	2	6	40	4	5	38	4	59	55	4	31	49	2	51	57	0	26	6	5
26	4	2	11	42	4	8	37	4	59	17	4	29	34	2	47	39	0	20	53	4
27	3	2	16	2	4	11	38	4	59	35	4	27	38	2	43	17	0	17	40	3
28	2	2	20	40	4	14	22	4	59	50	4	24	51	2	38	52	0	10	27	2
29	1	2	25	17	4	17	7	4	59	58	4	22	22	2	33	28	0	5	13	1
30	0	2	29	52	4	19	47	5	0	0	4	19	46	2	29	52	0	0	0	0
		11			10			9			8			7			6			

Meridionalis ascendens — descendens — Meridionalis

Tabula ascensionum in circulo recto

	Cap G	Cap M	Aquarii G	Aquarii M	G	Piscis G	Piscis M	Arietis G	M	Thaurus G	M	Gemini G	M	Cancer G	M	Leo G	M	Virgo G	M	Libra G	M	Scorp G	M	Sag G	M
Ascensio		Ascensio		Ascensio			Ascensio		Ascensio		Ascensio		Ascensio		Ascensio		Ascensio		Ascensio		Ascensio		Ascensio		
1	1	6	33	15	63	63	4	90	55	118	50	148	50	181	6	213	15	243	4	270	55	298	50	328	50
2	2	11	34	17	64	64	1	91	57	119	49	149	53	182	11	214	17	244	1	271	50	299	48	329	53
3	3	16	35	19	65	64	58	92	47	120	46	150	56	183	17	215	19	244	58	272	45	300	46	330	56
4	4	22	36	21	66	65	55	93	40	121	44	151	59	184	22	216	21	245	55	273	40	301	44	331	59
5	5	28	37	23	67	66	52	94	35	122	42	153	2	185	28	217	23	246	52	274	35	302	42	332	2
6	6	33	38	24	68	67	48	95	30	123	40	154	5	186	33	218	24	247	48	275	30	303	40	334	5
7	6	38	39	26	69	68	45	96	27	124	38	155	9	187	38	219	26	248	55	276	27	304	38	335	9
8	8	43	40	27	70	69	41	97	20	125	36	156	13	188	43	220	27	249	51	277	20	305	36	336	13
9	9	48	41	28	71	70	47	98	16	126	37	157	17	189	48	221	28	250	37	278	16	306	37	337	17
10	10	53	42	29	72	71	32	99	11	127	34	158	21	190	53	222	29	251	33	279	11	307	34	338	21
11	11	58	43	29	73	72	29	100	6	128	33	159	27	191	58	223	29	252	29	280	6	308	33	339	24
12	13	3	44	30	74	73	25	101	1	129	32	160	29	193	3	224	29	253	25	281	0	309	32	340	29
13	14	8	45	30	75	74	21	101	57	130	31	161	33	194	8	225	30	254	21	281	57	310	31	341	33
14	15	13	46	30	77	75	16	102	52	131	30	162	37	195	13	226	30	255	17	282	52	311	30	342	37
15	16	18	47	30	78	76	12	103	47	132	30	163	42	196	18	227	30	256	12	283	48	312	30	343	42
16	17	23	48	30	78	77	8	104	43	133	30	164	40	197	23	228	30	257	8	284	43	313	30	344	47
17	18	27	49	29	79	78	3	105	39	134	30	165	52	198	27	229	29	258	3	285	37	314	30	345	52
18	19	31	50	28	80	78	59	106	35	135	30	166	57	199	31	230	28	258	50	286	37	317	30	346	57
19	20	35	51	27	81	79	58	107	31	136	31	168	2	200	35	231	27	259	54	287	31	316	31	348	2
20	21	39	52	26	82	80	49	108	29	137	31	169	7	201	39	232	26	260	49	288	27	317	31	349	7
21	22	43	53	25	83	81	44	109	23	138	32	170	12	202	43	233	25	261	44	289	23	318	32	350	12
22	23	47	54	24	84	82	40	110	19	139	33	171	17	203	47	234	24	262	40	290	19	319	33	351	17
23	24	51	55	22	85	83	35	111	15	140	34	172	22	204	51	235	22	263	35	291	15	320	34	352	22
24	25	55	56	20	86	84	30	112	12	141	36	173	27	205	53	236	20	264	30	292	12	321	36	353	27
25	26	58	57	19	87	85	27	113	8	142	37	174	33	206	58	237	18	265	27	293	8	322	38	354	32
26	28	1	58	17	8	86	20	114	7	143	39	175	38	208	1	238	16	266	20	294	5	323	39	355	38
27	29	4	59	14	[illegible]	87	17	115	2	144	41	176	43	209	4	239	14	267	17	295	2	324	41	356	43
28	30	7	60	12	[illegible]	88	10	115	59	145	43	177	49	210	7	240	12	268	10	295	59	325	43	357	49
29	31	10	61	10	[illegible]	89	5	116	56	146	47	178	54	211	10	241	10	269	5	296	56	326	47	358	54
30	32	13	62	7		90	0	117	53	147	47	180	0	212	13	242	7	270	0	297	53	327	47	360	0

Piscis Aries Taurus gemini

cuius dies longior 16 horarum cum 1/2 et 10 m^a

Ascensiones ultra medium septimi climatis cuius latitudo ... graduum

Gradus	Aries ascensiones g	m	partes horarum g	m	Taurus ascensiones g	m	partes horarum g	m	Gemini ascensiones g	m	partes horarum g	m	Cancer ascensiones g	m	partes horarum g	m	Leo ascensiones g	m	partes horarum g	m	Virgo ascensiones g	m	partes horarum g	m	
1	0	26	15	5	14	16	17	26	32	45	19	22	59	50	20	13	97	50	19	15	139	24	17	16	
2	0	52	15	10	14	47	17	30	33	29	19	25	61	0	20	12	99	12	19	11	140	48	17	12	
3	1	18	15	15	15	19	17	34	34	13	19	28	62	10	20	12	100	34	19	8	142	[illegible]	17	7	12
4	1	44	15	20	15	51	17	38	34	57	19	31	63	20	20	12	101	56	19	4	143	[illegible]	17	3	36
5	2	10	15	24	16	23	17	43	35	41	19	34	64	30	20	11	103	18	19	1	145	[illegible]	16	58	0
6	2	35	15	29	16	55	17	47	36	25	19	37	65	40	20	10	104	40	18	57	146	24	16	54	
7	3	4	15	34	17	28	17	51	37	10	19	40	66	50	20	9	106	2	18	54	147	48	16	50	
8	3	31	15	39	18	1	17	55	37	55	19	43	68	1	20	8	107	28	18	50	149	[illegible]	16	45	12
9	3	58	15	44	18	34	17	59	38	40	19	46	69	12	20	7	108	47	18	47	150	[illegible]	16	40	36
10	4	25	15	48	19	8	18	4	39	36	19	49	70	23	20	6	110	10	18	43	152	[illegible]	16	35	0
11	4	52	15	53	19	48	18	8	40	31	19	51	71	35	20	5	111	33	18	40	153	24	16	30	
12	5	1	15	58	20	23	18	12	41	1	19	53	72	47	20	3	112	56	18	36	154	48	16	26	
13	5	47	16	2	20	58	18	16	41	50	19	54	73	59	20	1	114	19	18	32	156	[illegible]	16	21	12
14	6	15	16	7	21	33	18	20	42	41	19	56	75	11	19	59	115	41	18	28	157	[illegible]	16	16	36
15	6	43	16	12	22	9	18	24	43	34	19	58	76	23	19	58	117	5	18	24	159	[illegible]	16	12	
16	7	2	16	16	22	47	18	28	44	28	19	59	77	38	19	56	118	28	18	20	160	24	16	7	
17	7	39	16	21	23	21	18	32	45	23	20	1	78	54	19	54	119	51	18	16	161	48	16	2	
18	8	7	16	26	23	57	18	36	46	22	20	3	80	10	19	53	121	14	18	12	163	12	15	58	
19	8	35	16	30	24	34	18	40	47	21	20	5	81	28	19	51	122	37	18	8	164	36	15	53	
20	9	3	16	35	25	7	18	43	48	21	20	6	82	48	19	49	124	0	18	4	166	0	15	48	
21	9	31	16	40	25	49	18	47	49	22	20	7	84	19	19	46	125	24	17	59	167	24	15	44	
22	9	59	16	45	26	28	18	50	50	23	20	8	85	32	19	43	126	48	17	51	168	48	15	39	
23	10	27	16	49	27	8	18	54	51	24	20	9	86	44	19	40	128	12	17	47	170	12	15	34	
24	10	55	16	54	27	49	18	57	52	26	20	10	88	16	19	37	129	36	17	44	171	36	15	29	
25	11	23	16	58	28	29	19	1	53	28	20	11	89	38	19	34	131	0	17	40	173	0	15	24	
26	11	51	17	3	29	10	19	4	54	30	20	12	91	0	19	31	132	24	17	38	174	24	15	20	
27	12	19	17	7	29	52	19	8	55	32	20	12	92	22	19	28	133	48	17	34	175	48	15	18	
28	12	48	17	12	30	35	19	12	56	34	20	12	93	44	19	25	135	12	17	30	177	12	15	10	
29	13	17	17	16	31	18	19	15	57	36	20	13	95	6	19	22	136	36	17	26	178	36	15	5	
30	13	46	17	21	32	2	19	18	58	39	20	13	96	28	19	18	138	0	17	21	180	0	15	0	

Tabule ascensionum ad latitudinem 40 graduum ult[ra] me[dium] septimi climatis

		Libra				Scorpius				Sagittarius				Capricornus				Aquarius				Pisces			
		Ascensiones		partes horarum		Ascensiones		partes horarum		Ascensiones		partes horarum		Ascensiones		partes horarum		Ascensiones		partes horarum		Ascensiones		partes horarum	
	Linee	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m
	1	181	24	14	55	222	24	12	34	264	54	10	38	302	22	9	48	328	42	10	45	346	42	12	44
	2	182	48	14	50	224	48	12	31	266	26	10	35	303	25	9	48	329	25	10	49	347	12	12	48
	3	184	12	14	45	226	12	12	2	267	48	10	32	304	27	9	48	330	8	10	52	347	41	12	53
	4	185	36	14	40	227	36	12	22	268	0	10	29	305	29	9	48	330	50	10	56	348	9	12	57
	5	187	0	14	35	229	0	12	17	270	22	10	26	306	31	9	49	331	31	10	59	348	37	13	1
	6	188	24	14	30	230	24	12	13	271	44	10	23	307	33	9	50	332	11	11	3	349	5	13	6
	7	189	48	14	25	231	48	12	9	273	6	10	20	308	35	9	51	332	52	11	6	349	33	13	11
	8	191	12	14	21	233	12	12	5	274	28	10	17	309	36	9	52	333	32	11	10	350	1	13	15
	9	192	36	14	16	234	36	12	1	275	50	10	14	310	37	9	53	334	11	11	13	350	29	13	20
	10	194	0	14	12	236	0	11	57	277	12	10	11	311	38	9	54	334	49	11	17	350	57	13	25
	11	195	24	14	7	237	23	11	52	278	32	10	9	312	38	9	55	335	26	11	20	351	25	13	30
	12	196	48	14	2	238	46	11	48	279	50	10	7	313	37	9	57	336	3	11	24	351	53	13	34
	13	198	12	13	58	240	1	11	44	281	6	10	6	314	37	9	59	336	39	11	28	352	21	13	39
	14	199	36	13	53	241	32	11	40	282	22	10	4	315	31	10	1	337	15	11	32	352	49	13	44
	15	201	0	13	48	243	19	11	36	283	37	10	2	316	26	10	2	337	51	11	36	353	17	13	48
202	16	202	24	13	44	244	41	11	32	284	49	10	1	317	18	10	4	338	27	11	40	353	45	13	53
203	17	203	48	13	39	245	8	11	28	286	1	9	59	318	14	10	6	339	32	11	44	354	13	13	58
205	18	205	12	13	34	247	34	11	24	287	13	9	57	318	51	10	7	339	37	11	48	354	41	14	2
206	19	206	36	13	30	248	57	11	20	288	25	9	55	319	47	10	9	340	12	11	53	355	8	14	7
208	20	208	0	13	25	249	50	11	17	289	37	9	54	320	38	10	11	340	55	11	56	355	37	14	12
209	21	209	24	13	20	251	30	11	13	290	48	9	53	321	29	10	14	341	26	12	1	356	2	14	16
210	22	210	48	13	17	252	[illegible]	11	10	292	59	9	52	322	5	10	17	341	59	12	5	356	29	14	21
212	23	212	12	13	11	253	58	11	6	293	10	9	51	322	37	10	20	342	32	12	9	356	56	14	26
213	24	213	36	13	6	255	42	11	3	294	20	9	50	323	19	10	23	343	5	12	13	357	23	14	31
	25	215	0	13	2	256	42	10	59	295	30	9	49	324	3	10	26	343	37	12	17	357	50	14	36
	26	216	24	12	57	257	[illegible]	10	56	296	40	9	48	324	47	10	29	344	9	12	22	358	16	14	40
	27	217	48	12	53	259	26	10	52	297	50	9	48	325	20	10	32	344	41	12	26	358	22	14	45
	28	219	12	12	48	260	48	10	48	299	0	9	48	326	10	10	35	345	13	12	30	359	8	14	50
220	29	220	36	12	44	262	10	10	45	300	10	9	48	326	30	10	38	345	44	12	34	359	44	14	55
222	30	222	0	12	39	263	32	10	42	301	19	9	47	327	0	10	42	346	18	12	39	360	0	15	0

Ascensiones signorum ad latitudinem 41 gradum

Gradus	Aries				Taurus				Gemini				Cancer				Leo				Virgo			
	Ascensiones		Part horarum		Ascensiones		Part horarum		Ascensiones		Part horarum		Ascensiones		Part horarum		Ascensiones		Part horarum		Ascensiones		Partes horarum	
	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m
1	0	25	15	5	13	35	17	33	31	3	19	37	58	9	20	31	96	9	19	31	138	40	17	24
2	0	50	15	10	14	5	17	37	31	47	19	41	59	9	20	30	97	32	19	27	140	12	17	19
3	1	15	15	15	14	34	17	43	32	30	19	44	60	17	20	30	98	56	19	23	141	18	17	14
4	1	40	15	20	15	4	17	47	33	14	19	47	61	34	20	29	100	20	19	20	143	4	17	9
5	2	6	15	25	15	34	17	51	33	58	19	51	62	34	20	29	101	44	19	16	144	31	17	4
6	2	31	15	30	16	5	17	56	34	41	19	54	63	44	20	28	102	8	19	13	145	56	17	50
7	3	56	15	35	16	36	18	0	35	33	19	57	64	54	20	28	104	33	19	9	147	21	16	54
8	3	21	15	40	17	7	18	5	36	19	19	0	66	4	20	27	105	58	19	5	148	46	16	49
9	3	46	15	45	17	38	18	10	37	[illegible]	20	3	67	14	20	26	107	23	19	1	150	11	16	44
10	4	12	15	50	18	9	18	14	37	[illegible]	20	5	68	25	20	25	108	48	18	57	151	37	16	39
11	4	31	15	55	18	41	18	19	38	[illegible]	20	7	69	41	20	23	110	12	18	53	153	1	16	35
12	5	2	16	0	19	12	18	23	39	37	20	9	70	57	20	21	111	37	18	48	154	25	16	30
13	5	28	16	5	19	46	18	27	40	26	20	11	72	13	20	19	113	12	18	45	155	48	16	25
14	5	53	16	10	20	19	18	32	41	17	20	13	73	27	20	17	114	27	18	41	156	11	16	20
15	6	19	16	15	20	52	18	36	42	8	20	15	74	44	20	15	115	52	18	36	158	34	16	15
16	6	45	16	20	21	27	18	41	43	2	20	17	76	1	20	13	117	17	18	32	160	1	16	10
17	7	11	16	25	22	3	18	45	43	56	20	19	77	9	20	11	118	43	18	27	161	24	16	5
18	7	38	16	30	22	38	18	49	44	50	20	21	78	22	20	9	120	9	18	23	162	55	16	0
19	8	4	16	35	23	14	18	53	45	44	20	23	79	53	20	7	121	37	18	19	164	21	15	55
20	8	31	16	39	23	50	18	57	46	39	20	25	81	11	20	5	123	1	18	14	165	50	15	50
21	8	58	16	44	24	27	18	1	47	39	20	26	82	31	20	3	124	26	18	10	167	16	15	45
22	9	25	16	49	25	6	19	5	48	39	20	27	83	51	20	0	125	52	18	5	168	41	15	40
23	9	52	16	54	25	43	19	9	49	39	20	28	85	12	19	57	127	18	18	0	170	6	15	35
24	10	19	16	59	26	20	19	13	50	39	20	29	86	34	19	54	128	44	17	56	171	31	15	30
25	10	41	17	4	26	58	19	16	51	39	20	29	87	54	19	51	130	10	17	51	172	56	15	25
26	11	15	17	9	27	38	19	20	52	44	20	29	89	16	19	47	131	36	17	47	174	20	15	20
27	11	44	17	14	28	19	19	23	53	44	20	29	90	38	19	44	133	2	17	42	175	46	15	15
28	12	7	17	20	28	59	19	27	54	41	20	30	92	0	19	41	134	28	17	37	177	11	15	10
29	12	39	17	24	29	40	19	31	55	50	20	31	93	23	19	37	135	44	17	33	178	30	15	5
30	13	6	17	28	30	20	19	36	56	52	20	31	94	40	19	34	137	20	17	28	180	0	15	0

Residuum Tabule Ascensionis Signorum in latitudine 51 graduum

Gradus	Libra Ascensiones		Partes horarum		Scorpius Ascensiones		Partes horarum		Sagittarius Ascensiones		Partes horarum		Capricornus Ascensiones		Partes horarum		Aquarius Ascensiones		Partes horarum		Pisces Ascensiones		Partes horarum	
	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m	G	m
1	181	25	14	55	224	6	12	27	266	37	10	23	304	11	9	29	330	21	10	29	347	22	12	36
2	182	10	14	50	225	32	12	23	268	39	10	19	305	14	9	30	331	2	10	33	347	50	12	41
3	184	17	14	45	226	58	12	18	269	22	10	16	306	17	9	30	331	42	10	37	348	18	12	46
4	185	40	14	40	228	24	12	13	270	44	10	13	307	10	9	31	332	22	10	40	348	46	12	51
5	187	4	14	35	229	50	12	9	272	6	10	9	308	21	9	31	333	2	10	44	349	13	12	56
6	188	29	14	30	231	16	12	4	273	27	10	6	309	21	9	31	333	40	10	47	349	41	13	1
7	189	54	14	25	232	42	12	0	274	46	10	3	310	21	9	32	334	18	10	51	350	9	13	6
8	191	19	14	20	234	8	11	55	276	7	9	0	311	21	9	33	334	46	10	55	350	36	13	11
9	192	44	14	15	235	34	11	50	277	28	9	57	312	21	9	34	335	33	10	57	351	3	13	16
10	194	10	14	10	236	59	11	46	278	49	9	55	313	21	9	35	336	10	11	3	351	29	13	21
11	195	35	14	5	238	25	11	41	280	7	9	53	314	16	9	37	336	46	11	7	351	56	13	25
12	197	0	14	0	239	51	11	37	281	27	9	51	315	10	9	39	337	22	11	11	352	22	13	30
13	198	25	13	55	241	17	11	33	282	42	9	49	316	4	9	41	337	58	11	17	352	49	13	35
14	199	50	13	50	242	43	11	28	283	59	9	47	316	58	9	43	338	33	11	19	353	11	13	40
15	201	16	13	45	244	8	11	24	285	16	9	45	317	53	9	45	339	8	11	24	353	40	13	45
16	202	40	13	40	245	33	11	19	286	31	9	43	318	43	9	47	339	41	11	29	354	7	13	50
17	204	11	13	35	246	58	11	15	287	46	9	41	319	34	9	49	340	14	11	31	354	33	13	55
18	205	37	13	30	248	23	11	11	289	40	9	39	320	27	9	51	340	47	11	34	354	58	14	0
19	206	56	13	25	249	48	11	7	290	24	9	37	321	16	9	53	341	19	11	41	355	23	14	5
20	208	23	13	21	251	12	11	3	291	37	9	35	322	7	9	55	341	51	11	45	355	44	14	10
21	209	44	13	16	252	37	10	59	292	47	9	34	323	54	9	57	342	22	11	50	356	14	14	17
22	211	14	13	11	254	2	10	55	292	55	9	33	323	41	9	0	342	53	11	55	356	34	14	20
23	212	39	13	6	255	27	10	51	295	5	9	32	324	28	9	3	343	24	13	0	357	4	14	25
24	214	4	13	1	256	57	10	47	296	17	9	31	324	17	10	6	343	55	12	4	357	29	14	30
25	215	29	12	56	258	16	10	44	297	26	9	31	326	2	10	9	344	26	12	9	357	44	14	35
26	216	55	12	51	259	40	10	40	298	37	9	30	326	48	10	13	344	56	12	13	358	20	14	40
27	218	21	12	46	260	4	10	37	299	44	9	30	327	20	10	16	345	26	12	18	358	45	14	45
28	219	47	12	41	262	28	10	33	300	52	9	30	328	14	10	19	345	55	12	23	359	10	14	50
29	221	13	12	36	263	51	10	29	302	0	9	29	328	57	10	23	346	25	12	27	359	17	14	55
30	222	40	12	32	265	14	10	26	303	8	9	29	329	40	10	26	346	54	12	32	360	0	15	0

Tabula diversi motus Sol et lune in 12 horis

Gradus		Motus		Motus		
hore	minuta	Sol	Dim	lune	diversi	
0	360	360	2	23	30	18
6	348	354	2	23	30	19
12	342	348	2	23	30	21
18	336	342	2	23	30	24
24	330	336	2	23	30	28
30	324	330	2	24	30	35
36	318	324	2	24	30	43
42	312	318	2	24	30	53
48	306	312	2	25	31	1
54	300	306	2	25	31	12
60	294	300	2	25	31	24
66	288	294	2	26	31	38
72	282	288	2	26	31	53
78	276	282	2	27	31	8
84	270	276	2	27	32	27
90	264	270	2	25	32	42
96	258	264	2	28	32	59
102	252	258	2	29	33	17
108	246	252	2	29	33	17
114		246	2	29	33	56
120		240	2	30	34	18
126		234	2	30	34	32
132		228	2	31	34	49
138		222	2	31	35	8
144		216	2	32	35	18
150		210	2	32	35	31
156		204	2	33	35	43
162		198	2	33	35	52
168		192	2	33	35	58
174		186	2	33	36	2
180		180	2	33	36	4

Tabula Stellarum fixarum

Signa	Nomina Stellarum	Gradus G	M	Latitudo G	M	Pars mundi
Aries	Mirach	1	0	18	0	Septentrional
Aries	Cruf	22	0	32	30	Septentrional
Thau	Menkar	6	0	1	0	Septentrional
Thau	Aldebaran (oculus thauri)	29	0	18	20	Septentrional
Gem	Rigel	11	0	10	0	Meridional
Gemini	Alhaget	6	0	43	48	Septentrional
Canc	Alhabor	3	0	17	39	Meridional
Cancer	Algomesa	13	0	7	39	Septentrional
Leo	Alphart	9	0	17	30	Meridional
Leo	Cor leonis	19	0	17	11	Septentrional
	Ursa	20	0	17	30	Septentrional
Virgo	Cornus	1	0	11	30	Meridional
	Algorab	22	0	13	30	Meridional
	Cauda	17	0	19	30	Septentrional
Libra	Alchomet	23	10	28	18	Meridional
	Alramech	28	0	2	0	Meridional
Scorp	Yedh	18	0	13	0	Septentrional
	Altota	[illegible]	0	27	0	Septentrional
Sagitt	Alhane	21	0	7	0	Septentrional
Capri	Vega	10	0	50	0	Septentrional
	Altair	24	0	7	0	Septentrional
Aquar	Aldirab	10	0	50	0	Septentrional
	Strat	30	0	19	0	Meridional
Pisces	Humerus equi	35	0	28	0	Septentrional
	Cauda ceti	30	0	22	0	Meridional
		34				

Tempus est mensura motus ut vult Aristoteles 4° phisicorum. Cum igitur motum solis desideremus necesse est nobis temporibus pertingere ut tanta temporis quantitate quantitatem motus sibi correspondentem cognoscamus. Est igitur intelligendum quod in distinctione temporum ad usum tabularum alphonsi intendimus modo phisico scilicet per minuta sexagenaria ut divisio temporum divisioni signorum correspondeat. Gradus enim in astronomia dicuntur integra et cum collecti fuerint 60 gradus pro eis ponitur unum signum in istis tabulis. Frangitur et gradus in 60 minuta et minutum in 60 secunda et sic ulterius procedimus in tempore incipiendo a diebus tamquam ab integris et dividendo unum in medium secundum eas divisiones sicut in gradibus scilicet colligendo et frangendo. Colligimus namque dies ab uno usque ad 60 et vocamus dies prima et cum collecta fuerint 60 prima ponimus pro eis unum et pro quibus 60 ponimus unum et unum dierum pro quibus 60 primis ponimus unum et vocamus illa que ibi colliguntur secunda et cum pervenimus 60 secunda ponimus pro eis unum tertium et vocamus ea tertia et colligimus usque ad 60 pro quibus ponimus unum et vocamus ea quarta dierum quod tunc dies vocantur prima et 60 prima faciunt unum secundum et 60 secunda unum tertium et 60 tertia unum quartum ultra enim quarta non procedimus quia non indigemus. Erunt enim plura quam 3 1 X 8 2 anni et menses et dies anni quam 60 quarta complentur. Nota quod dies qui ponuntur in istis tabulis sunt completi licet una alia que ponuntur hic sunt completi. In frangendo autem tempore sic procedimus per divisionem sexagenariam dividimus enim diem in 60 partes equales quas vocamus minuta dierum et quodlibet minutum in 60 secunda et cetera. Ista autem distinctio temporis est multum conveniens ad cognoscendum motus planetarum cum distinctio motuum sit per 60. Sciendum enim ad sciendum quod aliquis planeta in uno die movetur per unum gradum scias quod in 60 diebus movetur per unum signum quod valet 60 gradus et in uno minuto diei quod est 60 pars diei movetur per unum minutum quod est 60 pars gradus.

Numerus annorum mensium et dierum incipiendo a principio alicuius ere nobis note ad X 3 2 1 sine tabulis reducere. Nota quod numerus annorum expansorum per 365 dies et numerus quarte ... in multiplicationem adde quartam partem annorum expansorum. Quam partem si volueris habere divide numerum annorum expansorum per 4 et numerus quotiens erit numerus quem quereris. Et scias quod in dividendo annos expansos per 4 numerus totaliter numquam surgit in bissextili. Quia si post divisionem remanserint 2 vel tria vel unum annus significat annum post bissextilem. Et numerus proveniens erunt dies cum quibus dictis adde dies mensium anni imperfecti si aliquos menses ultra annos completos habueris et dies mensis imperfecti si aliquos dies ultra menses completos habueris et numerus proveniens erit numerus dierum computandorum a principio ere a qua incepisti usque ad tempus considerationis tue. Quo facto divide numerum dierum expansorum per 60 et id quod remanet post divisionem pone in loco primorum que sunt dies. Deinde numerum quotientis qui proveniebat per partes dierum divide per 60 et quod remanserit pone in loco secundorum. Item divide iterum numerum quotientis provenientem per secunda dierum per 60 et quod remanserit pone in loco tertiorum. Quo facto numerum quotientis tunc provenientem pone in loco quartorum et tibi sufficit quia ultra quarta non procedimus nec elapsa sunt multa milia annorum.

Numerum annorum expansorum mensium et dierum ad X 3 2 1 per tabulas ad hoc factas reducere. Intra cum numero annorum expansorum in tabula prime ere scilicet 19 cum annos volueris reducere. Verum si christianos annos et arabum intrare in tablam decem milium arabum si annos christianos intrare in tabula computatione annorum christi. Que autem tabula deserviunt cuilibet ere patet per titulos tabularum. Quere igitur numerum annorum expansorum in linea prima descendente scilicet versus sinistram que intitulatur numerus annorum collectorum. Et si numerum annorum precise poteris invenire invenies in directo X 3 2 1 eis competentia. Si autem precise non inveneris intra cum numero propinquiori et X 3 2 1 que in directo inveneris scribe seorsum in tabula. Deinde intra cum residuo annorum in eadem tabula vel cum hora si precise non inveneris et X 3 2 1 inventa scribe seorsum sub aliis primis sub primis secunda sub secundis et cetera. Cum deinde intra cum residuo si est residuum ut primis superscribendo quod invenitur sub aliis primis secunda sub secundis et cetera. Est tamen sciendum quod sunt due tabule in annis admittendum ... prima deserviunt annis collectis et alia sequens deserviunt annis expansis. Dicuntur autem collecta quia tabula augmentatur non per singulas unitates sed per 20 vel 40 vel 100 vel 1000 ut in tabulis expansis autem dicuntur in contrarium quia computantur per singulas unitates. Deinde si habueris aliquos menses ultra annos completos intra cum numero illorum mensium in tabulis mensium et quod in directo inveneris scribe sub aliis primis sub primis secunda sub secundis et cetera. Et est sciendum quod in tabulis deserviunt infinitis mensibus numerus mensium completorum. Sufficit enim numerus deserviunt temporibus annus post bissextilem. Ubi sunt autem anno-

Ad partem precise volueris ... vult quod numerus remanserit in (?) ... dat si ... dies et ... menses ...

bissextili. Et io cum intrabis tabulas mensium si annus tuus non sit bissextilis intra in superiori mensium
Si vero annus tuus sit bissextus et festum mathie
apostoli transierit in quo incidit locus bissexti intra ta-
bulas inferiore. Hec secundo adde secunda adm(inistrationem) f(igura) arte
datam in algorismo de minutiis. Exemplum plenius sit
ut quod loco pono 24 et datis reducere a-
nnos menses et dies qui transierunt ante Christum usque
modo ad 4321. Et est 2a dies julii
completi anni 21mi secundum annum domini 1326
6 menses et duo dies. Intrabo igitur cum modo
annorum meorum in tabulas compotorum annis Christi. Sed
non invenimus in linea annorum collectorum 13
26. sed hic decimis 1000 et invenio directe
eius 1 4 in 4 3 27 2 3 0 1 que scribo ergo ad
lapidem hic remanet 326 anni. quos itur
quod in eadem linea annorum collectorum si ibi non
invenimus posse hic ut invenimus 300 et invenio
indirecte 0 4 30 3 26 2 1 4 1 et addit
remanet 26 anni quos iterum quod in eadem linea
annorum. si ibi non invenimus cum non bis inveni ita
primum incipit enim a Christo. Intrabo igitur per
tabulas que desunt annis expansis si non invenio
ad terminum. sed 26 annos solum. Intrabo igitur primo
cum 20 annis et secundum indirecte eius 2 3 1
2 4 7 1 et remanet 6 anni quos quero
in eadem linea et secundum indirecte 0 3 4 36 2 3 1
1. Et remanet 6 menses cum quibus intrabo
tabulas mensium et junius completus et ibi de-
3 2 1 phi. et remanet 2 dies quos ponas
subiectis. et cum omnia facta fuerint si modo per
debitum sic compotus sit suo quere propositum fueris cum
ordine sed vides et mensis supra scriptus et
4 3 2 1 que secundum in tempore composito et ad
data adiungantur quod ad finem quod fuerit 2 4
1 4 3 3 7 2 4 primo

Sequitur quod 3 4 6 2 us 1 us quod secundum in tempore
composito incipientibus a principio alicuius ere
nota primo 2a 4 3 2 1 incipitur a principio
alicuius ere cognite docemus. Vide in tabula dicta
de alicuius era ad aliam quod sit dicta ut ibi duas
eras comparatas si que 4 3 2 1 fuerint mensis
era est nota et mensis alia est ignota quam
dicas sua dimensio vide utrum era 2a cum no-
ticia quod precedat eram tuam vel sequatur eam
Vnica era alteram precedit eram Christi et eram
Arabum sequitur quod cogito addere dicas si 4 3 2
1 quod habes ere est note si precedit vel subtrahe
si sequatur et mensis precedis et est quod 4 3 2
1 transierit a principio eius ere incognite usque
ad tempus tue composit vita 4 3 2 4 transacta
a tempore Christi usque ad tempus presens. sed ad 2um diem Ju-
lii anni 21mi completi secundum nunc nota per tabulas
presens et secundum 2 4 1 4 3 7 2 4 1 volo igitur
per istam facere 4 3 2 1 transacta a tempore di-

luvii usque ad modo. Vide in tabula dictarum que
4 3 2 1 secundum incipit diluvium et 24 2 dicitur
1 4 1 4 3 4 2 2 3 9 1 que dicas addo ad
4 3 2 1 que habui quod diluvium precessit
24 2 procedit 7 4 29 3 17 2 4 3 1 &
ideo igitur que a tempore diluvii usque ad tempus presens sunt
tot 4 3 2 1 sed vides

Sequitur quod 3 us 2 us 6 us modus annorum mensium
et dierum in tempus collectorum inveniendi et e
conversio 2a calculi intra cum modo 4 0 4 3 0 4 2 0 4
1 0 in tabulas compotatorum annis ut quos facere debes
idest Quere eam in 4 0 lineas scriptas per
lineam et si deveneris numerum aliquem posse invenire
in directo annos eius cerneris. Si ut 4 3 2
1 non posse devenire quere minorem numerum proxi-
miorem et illud subtrahe a 4 3 2 1 et quod
habes et numerum annorum in directo invento scribe ergo
illum intra iterum cum residuo et sic totaliter in
tabulas primas tabulas tuarum annorum compotorum quod ad
totum quod est mensium deest totaliter numeri 4 0 3 3 2
1 0 sunt continuati Caveas enim de anno bi-
ssextili cum intrare tabulam mensium quod oportet in-
trare tabulas suprascriptas. Non propterea tabulas et per
duo tabula precedentia potius cognoscere annos cu-
iusque ere volueris cum tu aliqua docuis sit et
nota vita per tabulas 2um vel 3um facias 4 3 2 1
transacta a tempore Christi usque ad tempus presens per 4 tu
tabula facias 4 3 4 a tempore diluvii usque ad
presens tempus. per idem ut tabula potius facere annos
a tempore diluvii usque ad presens tempus et idem de
omnibus aliis

Utrum anni vel menses vel etiam dies eorum per
tabulas docemus Intelligendum est quod nota super
secundum est idest est quod sua hic invenimus nota annorum anni
mensium vel dierum est invenimus in quo sua incipit est
anni mensium vel dies sua cum volueris ergo docet
reduce tempus tuum a principio illius ere per se compar
usque ad 2um diem completum cum nota facere volueris
ad 4 3 2 1 Quo facto intra tabulas notarum
primo cum quot et vide numerum in directo scripto in linea
hec intitulata est que scribe ergo deinde intra eas
tabulas cum modo tertio et numerum quem in directo in-
veneris in linea que intitulatur 3a scribe sub
alio primo scripto Deinde intra cum modo 2orum et numerum
quem in directo invenimus in linea que intitulatur 2a
scribe sub aliis primis scriptis. deinde intra easdem tabulas
cum modo primorum. et numerus quod in directo sibi scribitur
vertat et sua que scribe sub aliis primis scriptis Quo
facto scribe radices notarum [illegible] per se compar
quam invenies in tabula radicum notarum anni d[?]
inde adde omnia adinvicem et quod per additionem provenerit
divide per 7 vel subtrahe 7 quotiens poteris et quod
remanserit est numerus ferie quam queris vita. Si
remanet 1 feria secundus tempus quod reductionis
sit 3 vita feria 3 et eodem modo de aliis et intelligendum

numerorum tabularum et numerorum tabule et alios fra-
ctionum ad minuta dierum et alias fractiones per
tabulas ad hoc factas reducere intra tabulas que
intitulatur tabula conversionis tabularum ad minuta

[margin note:] + s ad eram [illegible] que [illegible] i [illegible] tabula

et 2a dierum et que minuta horarum oppositarum in linea mini que intitulatur hore et capita 2a que in directo mini que intitulatur hore et capita 2a que in directo inveneris scribe sub dominio minutorum cum minutis minutorum hore in tabula que intitulatur tabula ad sciendum equationem dierum hore in tabula 2 que in linea minuti et [illegible] et que minuta [illegible] hore in linea minuti et id quod inveneris in proxima linea post lineam minuti [illegible] sunt equatio dierum et in septima secunda et postea 2a sed post intitulationem subscriptionem. Dominium si habebis 2a hore minuti cum eis eadem tabulam in linea minuti et tunc id quod invenies in proxima linea sunt 2a dierum et in septima tertia et postea est intitulata cum denominatione subsequentis que ad intitulatur cum minuti hore in proxima linea sunt equatio dierum. Si vero intitulatur cum hiis hore in proxima linea sunt 2a dierum cuius [illegible] que sed se [illegible] minuta hore ad minuta dierum sunt se [illegible] hore ad secunda dierum et sic minuta denominatione per veras scalas [illegible] postea hec adde adiunge quolibet ad suum genus si [illegible] aliquorum de [illegible] et quod provenerit ex additione proveniet equatio dierum et secunda 2 horas oppositas et horas aut et his convenientia. Necessitas autem istius tabule fuit ut cognitis horis equalibus transactis post aliquam diem completam que per operationes instrumentorum sumuntur vel per horologia possumus motum eis convenientem per istas tabulas invenire cum dies hic non dividatur in horas sed in minuta dierum.

Minuta dierum 2 et 3 ad horas et minuta horarum et 2a reducere, et est conversio eius precedentis que minuta minutorum dierum in linea minuti in tabula que intitulatur tabula ad sciendum horas et scalas et minuta que invenies in proxima linea sunt hore et in septima linea sunt equatio hore secunda subscriptionem [illegible] et tunc scribe ea sub dominio minuta cum 2 dierum in linea minuti in eadem tabula et id quod inveneris in proxima linea sunt equatio hore [illegible] 2a scribe ea sub aliis primis scriptis quolibet sub suo genere. Dominium minuti cum 3 dierum si habes 3a et id quod inveneris in 3a linea sunt 2a hore et postea 3a et subscribe ea sub aliis prius scriptis et [illegible] denominatione subsequentis [illegible] intrabitis per eam [illegible] in precedenti canone. Quo facto adde omnia adiunge et habebis quod queris. Necessitas autem huius tabule fuit ut cognita aliqua coniunctione vel eclipsi per tabulas Alfonsii in qua operamur per equationem dierum et non per horas [illegible] in precedenti canone. Sciendum horas et equationem horarum [illegible] dierum et hiis cum opponitur ut tempus id per instrumenta que per horas distincta sunt per hunc modum possemus certius et facilius observare.

[illegible] intelligitur per hec nomina radix cum dicitur radix [illegible] motus vel [illegible] Sciendum quod radix alicuius motus vel ad 3 quod motus locus circuli signorum in quo fuit ille motus in principio illius eius quod est radix [illegible] in tabula radicum sol [illegible] incarnacionis 3 et [illegible] 38 gradus 21 [illegible] hec est dicere [illegible] radix medius 1330 [illegible] computando ab ariete ibi fuit linea medii motus solis tunc [illegible] in meridie ultime diei decembris [illegible] principium Januarii et hec intellige de omnibus [illegible] me dius. Radix vero augis [illegible] augis locus in epiciclo est distancia corporis planete ab

auge media epicicli in principio illius eius quod est radix verum [illegible] in tabula [illegible] [illegible] vero [illegible] 3 signa 29 gradus [illegible] hec est dicere in principio Januarii ut dixi distantiam corporis lune ab auge media fuit tanta sed [illegible] medius motus computatur ab ariete in circulo signorum. Sed [illegible] media computatur ab auge media in epiciclo.

Revolutionem annorum mundi vel nativitatis alicuius vel constructionis [illegible] principium in horis et [illegible] horarum per tabulas ad hec factas [illegible] Sciendum quod revolutio anni est revolutio solis ab eodem puncto ad eundem punctum vel est reditus solis in punctum ad eundem punctum in quo fuit sol in principio illius anni. Nota quod revolutio annorum mundi est introitus solis in primum minutum arietis. Sed revolutio anno rum alicuius nativitatis est reversio solis ad eundem punctum zodiaci in quo fuit hora nativitatis. Revolutio annorum alicuius vero [illegible] principium scilicet alicuius ville castri vel edificii est reversio solis ad eundem locum zodiaci in quo fuit in principio fundacionis sue scilicet cum poneretur primus lapis. Cum igitur volueris invenire revolutionem annorum [illegible] principium introitus solis in arietem [illegible] in aliquo anno [illegible] minuta dierum horarum minutorum [illegible] possible [illegible] tempus per totam vitam tuam habebis per radicem. Cum igitur revolutionem annorum mundi vel anni volueris invenire vide quot sunt anni a radice tua usque ad annum [illegible] revolutionem scire volueris et cum minutis [illegible] annorum intra tabulam que intitulatur revolutio annorum mundi in suis [illegible] et minutis horarum minutorum [illegible] que in directo inveneris adde cum horis minutis et 2is que habes in radice tua et si coadunatum fuerit [illegible] [illegible] adiunge [illegible] [illegible] hore que 24 [illegible] ne vinte in dietas et id quod provenerit ex additione illa proveniet et tempus introitus solis in arietem [illegible] et horas. Et si annus in quo queris fuerit bisextilis erit hec in [illegible] hora diei precedentis istum diem quem per operacionem invenisti. Revolutionem vero annorum nativitatis vel alicuius rei huius principium vel origina in horis [illegible] sic invenies. Scias [illegible] horam nativitatis vel alicuius rei huius principium [illegible] in minutis dierum et horarum [illegible] minutorum [illegible] possible [illegible] tunc [illegible] radice et operare per easdem tabulas eodem modo sicut dixi de introitu solis in arietem. Eadem [illegible] de anno bisextili quoniam si fuit annus bisextilis et transierit locus bisextili revolutio [illegible] erit [illegible] hora diei precedentis sicut prius dixi.

Revolutionem annorum quantum ad gradum ascendentem invenire. Sciendum quod revolutio ascendentis anni vel alicuius [illegible] invenire gradum ascendentem [illegible] illum qui est in oriente in instanti [illegible] cum revolutio anni fuit completa. Et [illegible] dico quod in tabula [illegible] [illegible] gradum equinoctii et [illegible] de gradu zodiaci sed quidam [illegible] quia [illegible] [illegible] [illegible] [illegible] [illegible] ascensionibus signorum [illegible]

[illegible] minus [illegible]

et sic que remanent in tabula involutionis annorum
in signis gradibus [illegible] hoc [illegible]. Cum autem volueris
hoc scire scias primo quod [illegible] vel [illegible]
anno [illegible] [illegible] quod sit a tempore radicis [illegible]
[illegible] [illegible] [illegible] quod [illegible]
[illegible] quod sit ab [illegible] usque ad [illegible] quod
[illegible] quod est in [illegible] [illegible] [illegible]
producet [illegible]. Cum autem volueris quod [illegible]
per involutionem annorum [illegible] [illegible]
[illegible] annorum quod sit a tempore radicis usque
ad [illegible] annum [illegible] [illegible] in tabula que
intitulatur tabula involutionis annorum [illegible]
[illegible] quod [illegible] et 2o quod [illegible] in
venies adde [illegible] radici [illegible] [illegible]
[illegible] [illegible] [illegible] additionem [illegible]
[illegible] quod 360 [illegible] 360 [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
in ista involutione [illegible] [illegible] post 30 [illegible]
in [illegible] per tales [illegible] vel
per [illegible] [illegible] [illegible] et minutis [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] tales [illegible] [illegible]
in [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] et [illegible]

Eodem modo [illegible] et [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] augium et stellarum fixarum
per tabulas invenies. [illegible] [illegible]
[illegible] [illegible] [illegible] additionem [illegible]
[illegible] ad 8 2 3 1 [illegible] [illegible] [illegible]
[illegible] [illegible] ad [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] ad tempus [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] Si [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] volueris [illegible] per
alios annos [illegible] [illegible] [illegible]
quod scripta in tabula vel in [illegible] [illegible] tabulas
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] in [illegible] [illegible] [illegible] [illegible]
[illegible] quod in 3a 2a [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] 30 in [illegible]
tabulas [illegible] [illegible] [illegible] 3a
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] in [illegible] [illegible]
2a [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] aliis [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] in [illegible] [illegible] [illegible]
[illegible] aliis [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] in [illegible] tabulas [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] quod tempus [illegible] [illegible] tabula
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] in [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] usque ad [illegible] 60 [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] tabulas [illegible] [illegible]
[illegible] [illegible] Si [illegible] [illegible]
[illegible] [illegible] volueris [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] volueris [illegible] [illegible]
[illegible] [illegible] [illegible] Si [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] additionem [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] tabula [illegible] [illegible]
[illegible] [illegible] Alfonsi [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] motu

Tempus medie oppositionis et medie coniunctionis
solis et lune per tabulas ad hoc factas invenire
[illegible] [illegible] [illegible] [illegible] ad [illegible] quo [illegible] [illegible]
[illegible] vel oppositionem [illegible] [illegible] ad 8 2 2 1 et
[illegible] doctrina [illegible] tradita [illegible] [illegible] [illegible]
[illegible] medie coniunctionis solis et lune [illegible]
[illegible] operando [illegible] [illegible] in [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
Si fuerit 6 [illegible] [illegible] [illegible] tempus [illegible]
media ad quod operatus es. Si fuerit [illegible] [illegible]
in [illegible] tempus [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] in loco [illegible]. Si vero
non fuerit 6 [illegible] vel 3a [illegible] [illegible]
volueris invenire [illegible] [illegible] [illegible]
quod fuerit [illegible] 6 [illegible] [illegible] [illegible] Si vero
oppositionem [illegible] [illegible] quod fuerit [illegible]
[illegible] [illegible] [illegible] [illegible] in tabula
[illegible] medie solis et lune. Si vero fuerit
[illegible] [illegible] [illegible] in [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] in [illegible] in [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]

id quod accepisti de tabula [illegible]
[illegible] a toto motu quod habebas [illegible]
[illegible] tabulis [illegible]
[illegible] quod [illegible] in prima linea [illegible]
[illegible] et [illegible] mediis id [illegible]
[illegible] in linea [illegible] dierum [illegible]
dies [illegible] Sed si fuerint [illegible] quod non
poterit in prima linea minui [illegible] quod [illegible]
[illegible] linea [illegible] prima linea et
accipe [illegible] id quod [illegible]
[illegible] dies [illegible]
[illegible] ad [illegible]
[illegible] id [illegible] a medio motu [illegible] id
[illegible] in [illegible] tabula et [illegible]
[illegible] in prima linea [illegible] linearum
[illegible] quod [illegible] in linea [illegible] 2 dierum Sed
at fuerint [illegible] quod in prima linea non poterunt
minui [illegible] in [illegible] linea in [illegible]
[illegible] in prima linea et id quod [illegible]
in linea [illegible] dierum et [illegible]
[illegible] tabula [illegible] et [illegible]
[illegible] diei [illegible] completum Et [illegible]
[illegible] tabula [illegible] anni
[illegible] 3 2 1 Et scias quod [illegible] dies [illegible]
completi [illegible] a meridie diei [illegible]
[illegible] completi [illegible] anni [illegible] et [illegible]
[illegible] in tabulis [illegible] completa
[illegible] dies et [illegible] diei [illegible]
[illegible] ad [illegible] quod [illegible]
[illegible] et quod [illegible] additum [illegible]
et [illegible] coniunctionis vel oppositionis [illegible] Si
vero [illegible] coniunctionem et volueris [illegible]
veram oppositionem vel [illegible] oppositionem veram [illegible]
[illegible] et [illegible] ad
[illegible] coniunctionis si volueris oppositionem [illegible]
vel [illegible] oppositionis si volueris [illegible] coniunctionem
[illegible] dies [illegible] diei [illegible] 3
3 88 [illegible] coniunctionem anni [illegible]
[illegible] additum et coniunctionem et
oppositionem [illegible] anni [illegible] Et [illegible]
volueris [illegible] coniunctionem anni [illegible]
[illegible] ad
[illegible] 19 anni [illegible] coniunctionem [illegible] 3
2 [illegible] et [illegible] 19
[illegible] et id quod [illegible]
et [illegible] 10 quod [illegible]
[illegible] dies et [illegible]
[illegible] dies et [illegible] diei [illegible] anni
[illegible] ad [illegible] coniunctionem [illegible] 19
anni [illegible] Si volueris [illegible] coniunctionem
[illegible] 29
dies 31 [illegible] diei 10 2 a 3 36 [illegible]
[illegible] coniunctionem ad [illegible] id
addideris [illegible] 3 [illegible] Et [illegible] oppositionem
[illegible] volueris [illegible] coniunctionem

[illegible] [illegible] dies [illegible] diei
[illegible] 2 3 88 [illegible] a coniunctione
[illegible] ad oppositionem [illegible]
Si vero volueris [illegible] vel di-
stantiam [illegible] a medio motu solis
[illegible] adde [illegible] coniunctionem a
dies 22 diei [illegible] 2 21 3 [illegible]
[illegible] id [illegible]
[illegible] oppositionem [illegible]
[illegible] in [illegible] tabulas
[illegible] labore [illegible]

Tunc eclipsis solis [illegible] coniunctionem vel
eclipsis lune in [illegible] oppositione [illegible] in-
venire [illegible] latitudo lune ad
[illegible] coniunctionis [illegible] eclipsis solis vel
ad [illegible] oppositionis [illegible] eclipsis lune [illegible]
[illegible] 12
[illegible] vel [illegible] 88 [illegible] 3
[illegible] 12 [illegible] 88 [illegible]
[illegible] eclipsis [illegible] Si [illegible]
[illegible] eclipsis

[illegible] tabulas [illegible] lune
[illegible] dies [illegible]
diei [illegible]
motum [illegible] diei 19 [illegible] tabulis volueris cor-
rigere et [illegible] diei [illegible] id quod [illegible]
[illegible] linea tabule [illegible] tabule
[illegible] in tabula [illegible]
[illegible] linee [illegible]
[illegible] quod [illegible]
motum [illegible] diei [illegible] tabule et
adde [illegible] id quod [illegible]
[illegible] Et si [illegible]
[illegible] linea accipe [illegible] volueris
in tabula [illegible]
[illegible] et [illegible]
a [illegible] quod [illegible] motum [illegible] diei
[illegible] Si [illegible]
[illegible] in [illegible] tabule [illegible]
[illegible] et vide [illegible]
[illegible] diei
[illegible] quod [illegible] in [illegible]
[illegible] et [illegible]
[illegible] coniunctionem [illegible]
[illegible] motum
motum diei et [illegible]
motum [illegible] adde [illegible]
motum [illegible] diei [illegible]
[illegible] completa

[illegible] per tabulas in-
venire [illegible] motum [illegible]
[illegible]
[illegible]
[illegible]
[illegible] quod [illegible]
[illegible] in [illegible] tabule

ad [illegible] qd habes in medio motu cuius motus sunt
accessus et recessus. Ao scito quod [illegible] circulos
accessus et recessus et quod [illegible]
[illegible] ibi invenies [illegible] partes
[illegible] 90 quod [illegible] extendatur usque ad
90 [illegible] plus [illegible] quod 90 [illegible]
[illegible]
[illegible] accipe 89 [illegible] 88 [illegible]
[illegible] 8a [illegible] ad primam tabulam
[illegible] 180 [illegible] et [illegible] sunt
[illegible] 180 [illegible] a primo tabule [illegible] 181
[illegible] 1 [illegible] 2 [illegible] 3
[illegible] ad 90 [illegible]
[illegible] 210 [illegible]
[illegible]
241 [illegible] 89 [illegible] 88 [illegible]
ad primam tabulam [illegible] 360 [illegible]
[illegible] et [illegible]
[illegible] vita [illegible]
[illegible] 90 [illegible]
[illegible]

[illegible] solis [illegible] a medio motu [illegible]
[illegible] fuit [illegible]
[illegible] solis [illegible] fuit [illegible]
[illegible]
[illegible] solis [illegible]
[illegible]

[illegible] 30 [illegible]
[illegible] 30 [illegible]
[illegible]
[illegible] 360 [illegible]
[illegible] solis [illegible]
[illegible] et [illegible] solis [illegible]

[illegible] 180 [illegible]
[illegible] solis [illegible] fuit [illegible]
[illegible] potuit [illegible]
[illegible] duo [illegible]
[illegible] solis [illegible]
[illegible] solis [illegible]
[illegible] solis [illegible]

[illegible]
[illegible] et [illegible] solis [illegible]

[illegible] ab ariete [illegible]
[illegible]
[illegible]
[illegible]
[illegible] volueris [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] 2a [illegible]
[illegible] 2a [illegible] 2a
[illegible] 2a
[illegible] 2a [illegible]
[illegible] ad 2a [illegible]
[illegible]
[illegible] 2a [illegible] 3a [illegible]
[illegible]
[illegible]
[illegible] 3a [illegible] 2a [illegible]
[illegible]
[illegible]
[illegible]
[illegible] 2a [illegible]
[illegible]
[illegible] 2a [illegible]
[illegible]
[illegible]
Explicatio [illegible]
[illegible]
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[illegible]
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[illegible]
[illegible]
[illegible]
[illegible]
[illegible] vel [illegible]

[illegible]
[illegible]
[illegible] ab ariete [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] 2a [illegible]
[illegible] 2a [illegible]
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[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] et [illegible]
[illegible]

Et locum capitis draconis invenire [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] capitis [illegible]
[illegible] ab ariete [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] ab ariete [illegible]
[illegible]
[illegible] capitis
draconis [illegible]
[illegible]
[illegible] capitis draconis [illegible]
[illegible] et argumentum latitudinis [illegible]
[illegible] argumentum latitudinis [illegible]
[illegible] a capite draconis [illegible]
[illegible]
ab ecliptica

Ad locum Saturni Jovis et Martis invenire
Cum primo medium motum cuiuslibet eorum verum
locum volueris invenire et etiam ad partem dicti
scias augem eius per predictas [illegible] [illegible]
et subtrahe a medio motu planete et quod remanserit
erit centrum eius Iterum cum medio motu
dum quem medium motum solis qui subtrahe subtrahe
medium motum planete a medio motu
solis et quod remanserit est medium argumentum Iterum
medio motu [illegible] et [illegible] [illegible]
[illegible] centrum medium motum et medium argumentum
[illegible] [illegible] [illegible] medius motus trium superiorum
subtrahatur a medio motu solis ad hoc ut habeatur
medium argumentum tempore [illegible] et [illegible] in
[illegible] media ad solem et [illegible] auge media
epicicli sui [illegible] [illegible] tempore quando corpus
[illegible] epiciclum suum in [illegible] tempore solis [illegible]
ad [illegible] [illegible] medium [illegible] [illegible] [illegible]
distat ab auge media sui epicicli [illegible]
distat medius motus solis a suo medio motu [illegible]
distans at medius motus solis a medio motu
[illegible] corpus [illegible] [illegible] medius motus [illegible]
a medio motu solis [illegible] [illegible] [illegible] distans
corporis planete ab auge media epicicli
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] medio motu et argumento medio [illegible]
medio [illegible] primo cum centro medio in tabulis [illegible]
[illegible] motum [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] si fuerit [illegible] in [illegible] [illegible] in
centro medio [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] cum parte proportionis quam adde vel subtrahe
[illegible] [illegible] [illegible] ad partem [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] medium
[illegible] [illegible] [illegible] [illegible] fuerit plus [illegible]
[illegible] [illegible] [illegible] [illegible] adde vel subtrahe [illegible]
[illegible] [illegible] [illegible] fuerit [illegible] [illegible] [illegible] ad
[illegible] [illegible] [illegible] subtrahi [illegible] [illegible] [illegible]
[illegible] [illegible] addi adde [illegible] [illegible] centro medio et subtra-
he [illegible] a medio argumento vel [illegible] [illegible] subtrahi sub-
trahe a centro medio et adde [illegible] [illegible] argumento
medio [illegible] [illegible] utrumque [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] centro [illegible] [illegible]
tabulis in [illegible] [illegible] et [illegible] [illegible] [illegible]
in [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
longior et [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] in [illegible] tabulis et [illegible] [illegible] [illegible] in
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] in [illegible] solis
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] in alia linea [illegible]
[illegible] in longitudine longiori [illegible] [illegible] [illegible] [illegible]
[illegible] longior vel in longitudine [illegible] [illegible]
[illegible] proportionalia [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] accipe partem proportionalem
[illegible] [illegible] [illegible] [illegible] [illegible] ad [illegible] [illegible]

partem proportionalem [illegible] [illegible] [illegible] acceptam [illegible]
[illegible] [illegible] fuit [illegible] [illegible] longitudine
[illegible] vel [illegible] partem proportionalem [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] fuit [illegible]
[illegible] in longitudine longiori et quod [illegible] [illegible]
vel subtractionem [illegible] et [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] a [illegible] [illegible] [illegible]
fuit [illegible] [illegible] [illegible] vel in [illegible] [illegible]
fuit plus [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] fuit [illegible] [illegible] adde [illegible]
[illegible] et [illegible] adde [illegible] medio motu planete vel
[illegible] [illegible] [illegible] fuit in [illegible]
[illegible] adde [illegible] [illegible] et [illegible] subtrahe a medio
motu planete [illegible] [illegible] [illegible] [illegible] [illegible]
et [illegible] [illegible] in subtrahe [illegible] a [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
quod [illegible] [illegible] subtractionem medio motu vel
[illegible] [illegible] [illegible] [illegible] et in subtrahe [illegible] quod
[illegible] a medio motu et quod [illegible] additionem
vel subtractionem [illegible] et verum locum planete
[illegible] [illegible] [illegible] [illegible] [illegible]
Ad locum Veneris et Mercurii invenire
Scias quod [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] medio motu solis et [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] media [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] solis
[illegible] [illegible] [illegible] in tabulis [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] medium
motum solis [illegible] [illegible] [illegible] medio motu [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] subtrahe auge
[illegible] motu [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] et [illegible] medium [illegible] [illegible] [illegible]
medium motum [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] in [illegible] [illegible] [illegible] proportionalia
[illegible] [illegible] in longitudine [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] fac [illegible] [illegible] [illegible]
[illegible] in [illegible] [illegible] [illegible] proportionalia
[illegible] [illegible] longitudine longiori [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] solis in [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] invenire [illegible] [illegible] [illegible] [illegible] solis
ad tempus [illegible] [illegible] [illegible] ad tempus quo [illegible]
[illegible] [illegible] solis [illegible] distat [illegible] [illegible] [illegible] in
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] motum ad [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] motum solis [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] ad quod [illegible]
[illegible] [illegible] [illegible] [illegible] solis [illegible] [illegible]
[illegible] [illegible] tempore quo [illegible] [illegible] [illegible] [illegible] [illegible]

in uno die et addo quod primus motus vel ... et dicetur sesqui... et velocius ... sed ... primus ... proportionalis primus ... et ... id quod ... componunt ... sed motus in uno certo dici quod ... et ad ... gratia ... dicimus ... distincte sed ab aliquo ... sed ... distincta ad ... motus in ... dici ... dicit distantia primo motu sed in ... dici ... circa ad partem ... dicere ... ergo ... primo ... circa ad ... est ... quod ... dicit primo ... in quo primus ... motus ... dici ... continue ... dici ... circa ... primus ... sed ... primus ... dicere ... quod ... dicit ... et ... primus ... circa ... primus ... et ad ... dimidium quod dimidium non possit ... non sit ... sed ... dicit ... dies ... in ... sed ... in loco ... et ... aliquis dies ... ad quod ... continue ... velocius loco sed Et ... tempore quod ... tempore velocius loco sed ... in ... in tempore ... in actu Si autem ... distinctius ... primus ... dici ... dicere ... motus ... dici ... sed autem distantia ... non potest dicere ... motus in ... dici ... et ... dicit ... in medio ... et quod ... primus ... dicit ... sed ... et ... primus ... dicit ... quod ... sed ... et ... in actu ... tempore ... sed in actu ... et quod ... tempore ... et ... tempore ... in ... dici ... sed ... quod ... et ... tempore ...

Nota oppositum ... ad velocius loco sed ... addo ... sed ... et ... sed ... sed ...

... et ... quod solet ... Et sic quod dixi ... sed in actu et ... aliis ... ad partem ... volendo ... ab ... loco et ... motus sed in ... dici ... quod sed volendo ... et ... in aliis ... Et ... eodem modo potest dicere ... in quo ... volendo ... volendo ... volo et ... quod eodem ... in ... sed 1 in actu et ... vel in ... potest ... talis ... in causa ... tale

... velocius ... sed ... invenire ... volendo ... volendo ... ad ... tempore ... ut opposita ... sed ... in causa sed ... et ... in actu sed ... velocius ... invenire ... et ... velocius loco sed ... velocius loco ... et quod ... loco ... loco ... [illegible] ... loco sed ... loco ... Et ... loco ... et ... volendo ... Et ... vel ...

[illegible] 97 [illegible] ad 257 [illegible] pro [illegible] [illegible] 97 [illegible] 257 [illegible]

[illegible]

sol et luna in prima hora [illegible] placuit [illegible] tabule ad hoc facte [illegible] in talibus [illegible] 30 [illegible] luna [illegible] ordinant [illegible] sol [illegible] in [illegible] in tabulis [illegible] tabula [illegible] motus sol et luna in [illegible] in tabula [illegible] luna [illegible] in [illegible] [illegible] sol in [illegible] et motus luna in [illegible] motus sol in [illegible] [illegible]

[illegible]

[illegible] et luna [illegible]

[illegible]

[illegible] sol et luna [illegible]

[illegible]

[illegible] sol et luna [illegible]

[illegible]

Et non est difficile cum aspectum invenire dico
quod tu zodiaci et equatoris equationem [illegible]
equacionibus [illegible] circa [illegible] et [illegible] diversitatis
magnitudinis [illegible] proveniet [illegible] et
nobis [illegible] diversitas solis in aqua [illegible]
equaliter [illegible] et linea [illegible]
vel eorum aspectu [illegible] aspectu [illegible] non
in aliis locis [illegible] volueris quantitatem aspectu
invenire [illegible] per tempus quod [illegible]
tempus [illegible] motus [illegible] [illegible]
[illegible] zodiaci et [illegible]
tempus [illegible] vel [illegible] invento
[illegible] ad [illegible] tempus verum locum solis
et verum locum lune ut [illegible] ita quod
[illegible] secundum [illegible] ante [illegible]
[illegible] augis sive centri et [illegible]
[illegible] addendum [illegible]
[illegible] obliviscaris [illegible] verum
locum solis et verum locum lune [illegible] verum
locum solis in tabulis ascensionum [illegible] in
[illegible] ascensiones [illegible]
[illegible] Si 1 [illegible]
solis fuerint [illegible] ascensiones
[illegible] [illegible]
[illegible] verum locum lune [illegible] ascensiones [illegible]
[illegible] quod [illegible] subtrahe ascen-
siones [illegible] solis ab ascensionibus [illegible] lune si
[illegible] non potes minuta 360 [illegible] et
[illegible] subtrahe et vide quod [illegible]
[illegible] quod [illegible] aspectus [illegible]
[illegible] 90 [illegible] 24 2 40 in [illegible]
[illegible] aspectus [illegible] invenire [illegible]
90 vel [illegible] quod 2 40 aspectus [illegible]
[illegible] quod 90 vel 2 40 [illegible]
[illegible] a 90 [illegible] addere
super ascensiones veri loci lune [illegible]
[illegible] quod proveniet et [illegible] adde
[illegible] ascendens subtrahe quod proveniet
subtrahe veri loci lune [illegible]
quod [illegible] [illegible] ascen-
[illegible] ascensiones [illegible] [illegible]
[illegible] ascensionibus [illegible] lune
[illegible] quod 90 vel 2 40 [illegible] et
quod [illegible] subtrahe ab ascensionibus lune et quod
[illegible] ad [illegible] zodiaci et quod proveniet sub-
trahe a vero loco lune et quod [illegible]
longitudo lune ab aspectu [illegible]
[illegible] motus solis in [illegible]
diei et motus lune in uno [illegible] diei
[illegible] in [illegible] [illegible]
solis [illegible] diei [illegible] ad quod [illegible]

aspectu et subtrahendo [illegible] motum a 2° [illegible] [illegible] [illegible]
motus solis in uno [illegible] diei. [illegible] et non est
in luna addas [illegible] longitudinis [illegible]
[illegible] [illegible] si longitudo est ad
aspectum [illegible] aspectus adhuc est futurus [illegible] longitudo
est ab aspectu [illegible] subtrahe [illegible] longitudinis
[illegible] [illegible] motus lune [illegible]
[illegible] motu lune in uno minuto diei [illegible]
[illegible] quod proveniet [illegible] motum [illegible] lune in uno
[illegible] [illegible] [illegible] motum
solis in uno minuto diei et motum lune in uno [illegible]
diei subtrahe motum solis in uno minuto diei [illegible]
et [illegible] [illegible] longitudinem
[illegible] in [illegible] fuit
[illegible] Et [illegible] quod [illegible] proveniunt
[illegible] quod [illegible] aspectus
adhuc est futurus [illegible] subtrahe [illegible]
[illegible] aspectus [illegible] et quod [illegible] additione
vel subtractione proveniet et [illegible] aspectus
vel et [illegible] aspectum
Et si [illegible] volueris [illegible] ad idem tempus solis
et lune et [illegible] ascendens solis et lune et sub-
trahe ascendens solis ab ascensionibus lune et si
remanet 90 [illegible] 2 40 [illegible]
et [illegible] [illegible]
[illegible] 90 [illegible]
2 40 [illegible] ascendens solis et lune
[illegible] aspectus [illegible] quod
[illegible] solis in [illegible] dierum
[illegible] noctibus [illegible] in [illegible]
[illegible] in [illegible] 2ª [illegible]
[illegible] [illegible]
[illegible] 2ª [illegible] tempus [illegible]
in [illegible] [illegible] et 2 dierum
[illegible] ad [illegible] et 2 [illegible] adde
[illegible] dixi et proveniet tempus [illegible] aspectus
inveniendi
[illegible] Iovis et Saturni [illegible]
[illegible] planetarum invenire [illegible] luna [illegible]
[illegible] [illegible] ad [illegible]
[illegible] quod [illegible]
[illegible] in motibus [illegible] subtrahe [illegible] a [illegible]
et quod remanet [illegible] longitudo [illegible]
[illegible] ad [illegible] per [illegible] in quo [illegible]
aspectus [illegible] subtrahe a [illegible] motum [illegible] par[illegible]
a 2° [illegible] [illegible]
[illegible] et quod remanserit et
motus diei [illegible] subtrahe [illegible]
[illegible] diei tardioris a [illegible] motu diei ve-
locioris et quod remanserit est [illegible]
[illegible] longitudine [illegible]
[illegible] ad [illegible] ad [illegible]
[illegible] ad [illegible] [illegible]

Est [illegible] qui [illegible] planetarum quod [illegible]
motus alterius [illegible] ad [illegible] volueris et
subtrahe motum [illegible] a [illegible] et quod remanet [illegible] longitudo [illegible]
[illegible] ad [illegible] [illegible] [illegible] motus [illegible]
in uno die quod [illegible] [illegible] motus
et subtrahe [illegible] a [illegible] et quod remanet [illegible]
[illegible] longitudinem [illegible] in [illegible] [illegible]
[illegible] aliis [illegible] et quod proveniet adde ad [illegible] subtrahe [illegible]
[illegible] tardioris [illegible]

ad quod reduxisti longitudinem si si reduxisti lo-
gitudinem ad scala [illegible] tercia superacionem ad 2a
2a scito dimidie longitudinis per superacionem et medius
quantus erit dies et cetera ad post divisionem
remanserit [illegible] per 60 et divide per id quod
prius et medius quantus erit dies et per
[illegible] quinque [illegible] et [illegible] tempus
quod invenisti per divisionem adde eidem tempori [illegible]
in quo conjunxisti vera loca corporum Si tunc [illegible]
corporum addere fuerit facta vel subtrahe ab eodem
si tunc [illegible] et quod post additionem vel sub-
tractionem provenerit erit tempus quesitum [illegible]
de modo operandi cum ambo fuerint directa
Si autem unus corporum sit directus et alter retro-
gradus per alium modum oportebit operari et id
[illegible] vel contingit [illegible] in [illegible]
[illegible] et [illegible] et [illegible] aliquis
[illegible] tercia contingere in conjunctionibus [illegible] supe-
riorum cum [illegible] [illegible] non [illegible]
[illegible] [illegible] [illegible] non [illegible] [illegible]
[illegible] [illegible] distat a sole et [illegible] [illegible]
[illegible] a sole [illegible] distat [illegible] ab a-
[illegible] [illegible] [illegible] vel [illegible] [illegible] Cum
igitur inveneris unum directum et alterum re-
trogradum tunc [illegible] motum directum in
uno die [illegible] [illegible] [illegible] motum au-
tem retrogradum in uno die [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] ad unum [illegible]
[illegible] et et tunc [illegible] motus [illegible] [illegible]
[illegible] igitur [illegible] motu [illegible] [illegible] et id
quod remanet erit tempus [illegible] [illegible] in
uno die [illegible] [illegible] motu directo
in uno die et motu retrogradationis alterius
in uno die [illegible] [illegible] motus [illegible] et [illegible]
quod provenerit dimidie longitudinis [illegible] [illegible]
[illegible] vel subtrahe tempus quod per divisionem
invenisti eidem tempori cum quo [illegible] conjunxisti vera
loca corporum et quod post additionem vel subtractionem
provenerit erit tempus quesitum Si autem
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
ad [illegible] quod nunc invenisti [illegible] [illegible] loca [illegible]
et si [illegible] in eodem loco [illegible] [illegible] et [illegible]
[illegible] [illegible] distare [illegible] [illegible] [illegible]
[illegible] et [illegible] motu [illegible] in uno [illegible]
dici per modum [illegible] [illegible] [illegible] [illegible]
per superaciones [illegible] fuerint [illegible] [illegible] vel
[illegible] motus corporum in uno [illegible] dici [illegible]
si unus corporum fuerit retrogradus et [illegible]
quod provenerit si per superacionem vel per motum [illegible]
[illegible] dimidie longitudinis et medius quantus
erit [illegible] dies et [illegible] ad [illegible] [illegible]

[illegible] per 60 et divide per id quod prius et medius
quantus erit et dies [illegible] [illegible] [illegible]
tempus invenitur per divisionem adde eidem tempori [illegible]
[illegible] si [illegible] [illegible] [illegible] [illegible]
vel subtrahe ab eodem si [illegible] [illegible]
et quod post additionem vel subtractionem provenerit
erit tempus [illegible] [illegible]

[illegible] Item stellarum fixarum [illegible] [illegible] tempore
volueris invenire Scias [illegible] loca earum
verificata ad aliquod tempus et motum [illegible]
loca corporum ultimo verificata per alphonsum
Scias [illegible] [illegible] motus accessus et recessus [illegible] [illegible]
[illegible] [illegible] tempore alphonsi [illegible] [illegible] [illegible]
scias [illegible] in tabula motus [illegible] [illegible]
[illegible] radice alphonsi [illegible] [illegible] [illegible]
[illegible] id quod [illegible] [illegible] in [illegible] [illegible] [illegible]
radice [illegible] [illegible] motus [illegible] [illegible]
[illegible] [illegible] fuerit [illegible] [illegible] [illegible]
[illegible] motus accessus et recessus a
tempore alphonsi [illegible] [illegible] ad tempus [illegible]
[illegible] adde eidem radici alphonsi [illegible] [illegible]
[illegible] quod provenerit [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
tabula [illegible] motus accessus et recessus
[illegible] [illegible] [illegible] [illegible] in [illegible]
[illegible] motus [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] a tempore alphonsi
[illegible] [illegible] [illegible] et id quod [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] invenisti tempore [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] a tempore alphonsi [illegible] ad tempus
[illegible] [illegible] [illegible] motus [illegible] et
stellarum fixarum [illegible] [illegible] [illegible] [illegible]
et [illegible] quod provenerit adde [illegible] [illegible]
[illegible] [illegible] et quod post additionem provenerit
[illegible] loca [illegible] stelle fixe tempore alphonsi
et quod provenerit erit locus eius tempore [illegible]
Et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] in motu accessus
et recessus [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] sed videat ille [illegible] tunc
tempus [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] stellarum
fixarum volueris invenire Scias [illegible]
locum [illegible] stelle [illegible] volueris [illegible]
[illegible] [illegible] et [illegible] [illegible] [illegible]
[illegible] [illegible] locum [illegible] stelle fixe in

zodiaci et locus eclipticae per quam transit linea
circulus transiens per polos zodiaci et corpus stelle
licet ista stella nullo distat ab ecliptica
et ista distantia vocatur latitudo stelle. Et si
ab [illegible] per latitudinem corpus non remanet sub ecliptica sed
manet in eadem distantia ab ecliptica [illegible]
[illegible] aut corpus ab [illegible] vadunt [illegible]
per vadunt de linea [illegible] eclipticae [illegible]
ab placita dicitur coniungi cum aliqua stella fixa
cum pervenit ad locum zodiaci per quem transit circulus
per polos zodiaci et corpus stelle. Cum igitur
volueris coniunctionem alicuius planete cum aliqua stellarum
fixarum inventa fixarum loca eius stelle [illegible]
[illegible] scias [illegible] locum eius planete ad
tempus [illegible] [illegible] per [illegible] et
videbis distantiam inter planetam et stellam. Et scias
motum eius planete in uno die vel in una
[illegible] diei per doctrinam [illegible] et [illegible]
motus de motu stelle fixe in die quia motus
eius est insensibilis et in parvo tempore [illegible]
non [illegible] locum [illegible] planete in
uno die vel in una [illegible] diei et [illegible]
in omnibus est idem modus operandi [illegible]
[illegible] planetarum [illegible] [illegible] et [illegible]
[illegible] super tabulas [illegible]
Nota [illegible]

Nota etiam canonem [illegible]
[illegible] et 2a [illegible]
[illegible] non [illegible] qua [illegible] proportionalis
[illegible] accipia [illegible] multiplicatur et addi-
tur vel subtrahatur [illegible]
Exemplum non [illegible] in argumento [illegible]
[illegible] [illegible] intrare habuerit [illegible]
[illegible] et [illegible] et [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] multiplica [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] in directo
[illegible] [illegible] [illegible] [illegible] et productum
[illegible] [illegible] [illegible] dividetur et habebis
[illegible] quesita
[illegible] intrare [illegible] [illegible] et [illegible]
[illegible] [illegible] et habebis [illegible] adinve-
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] in [illegible] [illegible] [illegible]
[illegible] [illegible] in directo [illegible] [illegible]
et [illegible] [illegible] multiplica [illegible] [illegible]
[illegible] adiunge [illegible] et [illegible] [illegible]
[illegible] et [illegible] [illegible] proportionalem [illegible] quesitam
[illegible] subtrahas [illegible] in directo [illegible]
[illegible] [illegible] et habebis [illegible]
[illegible] [illegible] addas vel subtrahas [illegible]
Nota quando dicitur intra ad duplicem in-
troitum semper debet intelligi [illegible] partem
proportionalem [illegible] minuta et [illegible]
[illegible] signa et [illegible] in ista [illegible]
Et [illegible] [illegible] ad canonem [illegible]
[illegible] partis proportionalis

Nota [illegible] in [illegible] [illegible] signa et [illegible]
[illegible] et [illegible] et [illegible] [illegible] addito
[illegible] [illegible] et 2a [illegible]
[illegible] multiplica [illegible] [illegible] [illegible]
[illegible] et [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] ad [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
Nota [illegible] [illegible] denominatur [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] partes aliquotas [illegible] de [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] medietatem [illegible] [illegible] et
[illegible] [illegible] [illegible] partes [illegible] Et [illegible]
[illegible] [illegible] et [illegible] [illegible] [illegible] debet
[illegible] ad [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] 60 vel [illegible]
[illegible] [illegible] vel [illegible] vel [illegible] tunc [illegible] [illegible]
[illegible] [illegible] et adde [illegible] [illegible]
vel subtrahe [illegible] et [illegible] [illegible] [illegible] plane-
tarum [illegible] in [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] absque multiplicatione
et divisione [illegible] [illegible] et 2a 3a [illegible]
[illegible] denominatur [illegible]

Ab una [illegible] Martis [illegible] 12 19 11 16 29 36 [illegible]
[illegible] [illegible] [illegible]

Ab una [illegible] Martis [illegible] 28 21 11 27 1 32 [illegible]
[illegible]

Ab una [illegible] [illegible] Veneris 8 11 10 26 20 12
[illegible] [illegible] [illegible]

Ab una [illegible] [illegible] [illegible] 21 29 22 10 1 18

Ab una [illegible] [illegible] [illegible] 2 0 13 31 28 18 18

Ab una [illegible] [illegible] Martis [illegible] 12 13 10 18 19 19
[illegible]

Ab una [illegible] Iovis [illegible] [illegible] 8 3 8 31 1 39

Ab una [illegible] Iovis [illegible] 13 36 26 9 18 18

Verum coniunctionem mediam solis et lune adque vero possibilitate eclipsis docetur secundum doctrinam canonum ad hoc ordinatam. Coniunctionem mediam quod medius motus solis et medius motus lune et etiam medium argumentum lune ad tempus medie coniunctionis ut eruitur de arte kalendarii ad hoc quia [illegible] dicunt alii almanach. Cum autem et motu octave spere ut possis augem solis invenire secundum doctrinam canonis ad hoc ordinati. Deinde subtrahe augem a medio motu solis et remanet argumentum solis cum quo intra tabulas equationis solis et equationem [illegible] in linea numeri et [illegible] invenies subtrahe a medio motu solis si argumentum fuerit minus 6 signis vel adde si fuerit plus et quod post augmentum vel diminutionem provenit erit verus locus solis tempore medie coniunctionis quesite. Deinde cum argumento medio lune intra tabulas equationis lune et equationem eius [illegible] in linea numeri et [illegible] invenies subtrahe a medio motu lune si argumentum fuerit minus 6 signis vel adde si fuerit plus et quod provenit erit verus locus lune. Deinde accipe verum locum solis et lune si fuerint in eisdem signis [illegible] et eo tempore vera coniunctio erit et si non fuerint subtrahe locum [illegible] et sua longitudo et [illegible] longitudo [illegible] cum longitudine illius [illegible] aliud in ordine [illegible] cum longitudine adde [illegible] parte sui et totum [illegible] [illegible] medietatem adde medio argumento lune si longitudo fuerit solis vel subtrahe ab argumento lune si longitudo fuerit solis lune et quod post augmentum vel diminutionem provenit erit argumentum lune [illegible] motu lune in [illegible] dici [illegible] sua [illegible] cum argumento solis [illegible] motus solis in [illegible] dici et quod in [illegible] invenies et motus solis in [illegible] dici [illegible] motus lune in [illegible] dici cum argumento lune quod [illegible] et [illegible] in [illegible] lune in [illegible] dici [illegible] motus solis in [illegible] dici subtrahe a motu lune in [illegible] dici et remanebit superatio in [illegible] dici cum superatione adde [illegible] gradum longitudinis [illegible] solis et lune in [illegible] [illegible] Si luna fuerit in inferiori parte epicicli vel subtrahe si fuerit in superiori parte et remanebit superatio [illegible] dividit longitudinem [illegible] solis et lune

et [illegible] quod [illegible] dici quod [illegible] medietatem et verum [illegible] longitudo fuerit [illegible] superatio [illegible] longitudine per 60 et [illegible] dividit per superationem et [illegible] dici et [illegible] fuerit in [illegible] per 60 et dividit per superationem [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] medie coniunctionis si longitudo fuerit solis vel subtrahe si fuerit lune et [illegible] vel [illegible] [illegible] [illegible] ad id tempus quo medius motus solis et argumentum solis et medius motus lune et argumentum lune et [illegible] solis et lune [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] longitudo quam [illegible] [illegible] medium [illegible] [illegible] adde medium motum solis in [illegible] dici [illegible] [illegible] [illegible] [illegible] motu solis [illegible] subtrahe motum solis [illegible] et quod provenit et motus solis in [illegible] dici [illegible] [illegible] [illegible] [illegible] dici [illegible] ad quod [illegible] [illegible] subtrahe [illegible] motum [illegible] dici [illegible] ad quod [illegible] [illegible] subtrahe motum solis in [illegible] dici [illegible] motum lune in [illegible] et provenit superatio per quam [illegible] longitudinem [illegible] quod [illegible] [illegible] dici et si quod [illegible] per 60 [illegible] [illegible] [illegible] [illegible] [illegible] adde si [illegible] vel [illegible] longitudo fuerit solis et subtrahe si [illegible] longitudo fuerit lune. Et quod post augmentum vel diminutionem provenit et [illegible] vere coniunctionis [illegible] ad quod [illegible] quem locum solis et lune [illegible] [illegible] [illegible] Cum autem medius [illegible] [illegible] ad id tempus quo adde [illegible] locum lune et provenit argumentum latitudinis lune quod [illegible] [illegible] [illegible] sua [illegible] [illegible] quod [illegible] [illegible] vere coniunctionis [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] solis [illegible] [illegible] [illegible] [illegible] [illegible]

te recisse quantum z[illegible] te recisse quadrantes duobus equatis.

Ubi vis ad opus diversitatis aspectus accedas. Considera si coniunctio sit in die vel in nocte si sit in nocte non curo quia ecclipsis non erit visibilis maxime si fuerit profunda in nocte posset tamen esse oriens vel prope postquam scripsi quia ibi videtur. Si coniunctio fuerit in die scias distanciam coniunctionis a medie per horas equales et [illegible] eo modo illarum vel talium diversitatis aspectus lune que sit scita ad tuum climatis subiectum in quo est luna et arcus in longitudine in directo invenitur et si fuerit aliquid in hac vel hac de [illegible] vel [illegible] in linea [illegible] et arcus cum longitudinibus [illegible] et considera dictum vel cum latitudine [illegible] [illegible] accipe [illegible] [illegible] [illegible] [illegible] [illegible] ultra hoc [illegible] ad 60 [illegible] [illegible] ad et in longitudine [illegible] accepta si fuerit pauciores [illegible] accepta vel subtrahe si fuerit plura et [illegible] diversitatis aspectus lune in longitudine [illegible] quod luna sit in [illegible] [illegible] [illegible] in augmento [illegible] et [illegible] Si autem in [illegible] illius [illegible] luna non fuerit vel [illegible] [illegible] [illegible] modo [illegible] [illegible] diversitatis aspectus sub [illegible] signo et sub [illegible] subtrahe [illegible] a [illegible] [illegible] et cum que luna [illegible] in quo [illegible] et productum divide per 30 [illegible] Et scias quod denominatio [illegible] [illegible] [illegible] et [illegible] proportionalem quam adde super diversitatem aspectus inventam sub [illegible] signo si fuerit maior illa que fuit accepta sub signo [illegible] vel minime [illegible] si fuerit [illegible] et [illegible] diversitatis aspectus et [illegible] et locum lune in 30 [illegible] luna non fuerit in [illegible] [illegible] epiciclo [illegible] cum [illegible] lune equato [illegible] recisse [illegible] invento [illegible] in [illegible] tabula [illegible] et [illegible] in [illegible] in [illegible] [illegible] in [illegible] et [illegible] diversitatis aspectus ultro inventam et productum divide per 60 et [illegible] proportionalem [illegible] [illegible] sit in augmento [illegible] lune in epiciclo que adde super diversitatem aspectus ultro inventam et [illegible] aspectus equata [illegible] et locum lune in 30

et in epiciclo. Deinde scias distanciam inter medium motum solis et lune et subtrahe medium motum solis a medio motu lune et quod remanserit duplica et [illegible] [illegible] lune [illegible] [illegible] tabularum attamen et quod inveneris in directo sit linea [illegible] intitulatur [illegible] [illegible] [illegible] per [illegible] [illegible] aspectus quam [illegible] ultro invenisti et productum divide per 60 et [illegible] proportionalem quam adde diversitati aspectus [illegible] [illegible] et locum lune in 30 et epiciclo. Deinde diversitatem aspectus [illegible] inventam divide per [illegible] lune in [illegible] et [illegible] erit hec Si vero sit ita [illegible] quod non possit dividi per [illegible] [illegible] eam per 60 et [illegible] divide [illegible] [illegible] erit [illegible] et si [illegible] fuerit [illegible] [illegible] per 60 et [illegible] divide per [illegible] quod [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] quod ad hanc diversitatem invenisti ad [illegible] si [illegible] [illegible] Si [illegible] lune et [illegible] fuerit plures [illegible] quam 90 vel minime si fuerint pauciores. [illegible] scias distanciam illarum horarum a medie [illegible] [illegible] [illegible] diversitatis aspectus [illegible] [illegible] modo [illegible] [illegible] [illegible] equatio [illegible] et locum lune in 30 et epiciclo et [illegible] si oportent [illegible] diversitatis aspectus [illegible] [illegible] [illegible] lune in [illegible] [illegible] [illegible] [illegible] ~~[illegible] et [illegible]~~ [illegible] [illegible] hanc diversitatem aspectus quam adde [illegible] ~~[illegible] et non [illegible] [illegible] [illegible]~~ vel quadrantes et [illegible] diversitatis aspectus Si [illegible] lune et [illegible] fuerit plures de orbe signorum quam 90 vel subtrahe si fuerit pauciores [illegible] scias distanciam a medie [illegible] [illegible] distancie a medie [illegible] [illegible] non [illegible] [illegible] [illegible] diversitatis aspectus [illegible] sit [illegible] [illegible] aut [illegible] Si [illegible] [illegible] Si vero [illegible] aspectus [illegible] [illegible] scias [illegible] [illegible] et [illegible] [illegible] si [illegible] lune [illegible] fuerit [illegible] 90 [illegible] in 30 [illegible] [illegible] distancie [illegible] a medie [illegible] [illegible] diversitatis aspectus [illegible] minime 60 [illegible] hoc [illegible] [illegible] [illegible] completus si [illegible] si [illegible] in [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] hoc si non [illegible] [illegible] vel [illegible] [illegible] ut non [illegible] [illegible] [illegible]

Marginalia (left column): recisse; [illegible] [illegible] ad [illegible] [illegible]; [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] lune [illegible]

Marginalia (right column): [illegible] [illegible]; et [illegible] [illegible] [illegible] [illegible] recisse [illegible]; [illegible] [illegible] [illegible] a medie

[top margin note:] [illegible] dicitur ab loco quod fuerit [illegible] secundum motum lune [illegible] tempore [illegible] eisdem horis secundum 2ᵉ diversitatis aspectus sit ab argumento latitudinis lune 2ᵒ equato ab argumento latitudinis 3ᵒ equato

Si vero latitudo lune fuerit ab ascendente plus 30
90 gradibus adde septimam partem hore ad 8uam
ad decimam minutis que sunt ultra horas completas
ita ut horam non compleas et eciam ibi quod
post augmentum vel diminucionem provenerit erit diversitas
aspectus [illegible] in longitudine et vide quantum
diversitas superaverit tertiam subtrahendo etiam
a quarta et residuum duc in minuta per 6 si ad-
disti sextam partem hore vel per 8 si addidisti
octavam partem hore vel per 10 si addidisti
decimam partem hore et provenerit diversitas aspectus
que debet minui hore quod subtrahe a separatione
lune in una hora et quod remanserit et motus
lune equalis per quem divide diversitatem in longitudine
diversitatis aspectus et quod provenerit hore et
minuta quot vero si non possis dividere quia ita
parva multiplicetur dicta per 60 et dividatur per
separacionem et minuta quot erunt in hora. Et
si adhuc non possis dividere multiplicetur iterum per 60
et dividatur per 1d quod provenerit et minuta quot erunt
secunda hore et tercia quotquot volueris et quod provenerit
adde hore 2ᵉ diversitatis aspectus et summa erit
quod erunt hore etc. Si vero aspectus diversitatis
3a fuerit minor 2a facias equaliter si distancie
lune ab ascendente minus 90 gradibus fuerit adde
sextam partem hore secundum ad 10am ut horam
integram non compleas et si fuerit plus 90
gradibus minue sextam partem hore secundum ad 10am
ut horam integram non frangas et eciam
super eius quod prius sumpsisti quia diversitas 3a fuerit
minor 2a et eius quod provenerit que diversitas
aspectus etc. et vide quantum hec superat a
3a que accessio minuta ut prius duc [illegible]
per 6 vel 8 vel per 10 secundum quod addidisti sextam
vel 8uam aut 10am partem hore. Ita quod ducas
diversitas aspectus que debet minui hore et quod pro-
venit addes separacioni lune in una hora et et
motui equalis per quem divide diversitatem 3am
et 2am diversitatis aspectus secundum doctrinam iam datam
et quod provenerit subtrahe ab hora secunde diversitatis
aspectus et idem contingit quia 3a sit
minor 2a et quod remanserit erit hora
secunde diversitatis aspectus [illegible] summa erit [illegible]
horas 2ᵉ diversitatis aspectus nominis equalis minuta
eius promotum solis in una hora et per motum
lune in hora una quod est [illegible] et summa [illegible]
[illegible] et si longitudo lune ab ascendente minus
90 gradibus fuerit ponatis horas 2ᵉ diversitatis aspectus
equalis subtrahe ab hora verissime coniunccionis
[illegible] equalis et motum solis in eisdem horis
quod iam dixi sumas subtrahe a loco solis

et motum lune in eisdem horis subtrahe a loco
lune tempore invento verissime coniunccionis et residuum
erit subtrahe secundum motum lune ab argumento lune
equato et ab argumento latitudinis lune 2ᵒ equato
residuum est quotiens [illegible] motus per motum
et [illegible] sunt in horis secunde diversitatis aspectus que
motum etiam subtrahe ab argumento latitudinis. Si autem
longitudo lune ab ascendente plus 90 gradibus fuerit
adde omnia que minuit et proposita subtrahe et quod
post augmentum vel diminucionem provenerit et tempus
medie eclipsis vel fere provenerit et locus solis
et lune et argumentum equatum lune et argumentum latitudinis
3o equatum tempore medie eclipsis. Deinde cum argumento
latitudinis 3o equato quod nunc invenisti intra
tabulas latitudinis lune cum [illegible] Si opor-
tuerit et latitudinem que in directo sua est et
partem suam. Deinde scias distanciam loci medie
eclipsis a linea meridiana cum quibus horis
intra tabulas diversitatis aspectus et accipe in latitudine
in directo inventa eodem modo [illegible]
[illegible] minutis et loco lune in 3o die epiciclo
[illegible] proporcio non sit omnino eadem [illegible] prius
fuerit quia argumentum lune equatum non erit [illegible]
argumento lune equato [illegible] in [illegible] repleto
tempore medie eclipsis tabulas [illegible]
[illegible] proporcio [illegible] multiplicatur diversitas aspectus in
latitudine et post per 60 dividatur. In aliis non
[illegible] prius [illegible] sit
diversitas aspectus in latitudine inventa que est
nulla est ~~meridionalis~~ in omnibus regionibus quarum latitudo
est maior 28 gradibus. Si latitudo lune sit meridionalis
minue eas sit [illegible] latitudine lune et diversitatem
aspectus in latitudine si fuerit in eadem parte. Si
vero latitudo lune aquilonaris et diversitas aspectus meri-
dionalis subtrahe minorem de maiore et remanens
latitudo in parte cuius maior fuerit [illegible]
longior [illegible] Si longitudo lune fuerit [illegible]
et [illegible] diversitas aspectus meridionalis vel remanserit
latitudo meridionalis si diversitas aspectus fuerit [illegible]
latitudinis [illegible] vera latitudo lune visa
tempore medie eclipsis [illegible] diversitas aspectus
in longitudine [illegible] per 11 cum dimidio et quod provenerit
~~adde argumento latitudinis 3o equato~~ Si autem
fuerit [illegible] vel subtrahe si fuerit [illegible]
[illegible] Si vero non possis subtrahe adde 360
gradus et postea subtrahe et provenit argumentum latitudinis
4o equatum et si cum isto equato latitudinem lune
in tabula [illegible] latitudinis lune invenies quod cum
concordabit in latitudine lune visa quod prius
invenisti et finisti et si sit aliqua discordia [illegible]
minima et [illegible] provenit ex parte illius etc.

separatim non alias eo quod consimili latitudine lune
visus / hiis visis ad quantitatem et durationem
eclipsis accedamus cum arcu latitudinis lune
2° equato revoluto in minuta si sit in figura
intra tabulam eclipsis solis ad longitudinem mediam
longitudinem et accipe puncta eclipsis solis
in directo inventa et similiter cum intra cum
eis eo dico intrans si oportet et accipe
partem proportionalem secundum proportionem minutorum ad 30
cum quibus non intrasti ad 30 et non ad
60 deinde eo addas et arcu 2° equato
latitudinis intra tabulam eclipsis solis ad lo-
ngitudinem propinquiorem et accipe puncta eclip-
sis solis inventa sed subtrahe
puncta eclipsis ad longitudinem longiorem
a punctis inventis ad longitudinem propinquiorem
et similiter differentiam deinde eo arcu lune equato
tempore medie eclipsis revoluto in minuta intra
tabulam proportionum que augmentatur per 2es
[illegible] minuta tabulam proportionalia in directo
inventa similiter propria accipe partem proportionalem
differentie prius inventa secundum proportionem minutorum
ductorum ad 60 et partem proportionalem adde
super puncta eclipsis ad longitudinem longiorem
propria intra cum eodem arcu 2° equato eclipsis
tabulam ad longitudinem longiorem accipe in
casu in directo inventa et similiter deinde
intra longitudinem propinquiorem et accipe ibi
in casu a quibus subtrahe ea que accepisti
ad longitudinem longiorem et deinde accipe
partem proportionalem secundum proportionem minutorum proportionalium
ad 60 et adde eo minutis casus inventis
ad longitudinem longiorem et habebis minuta casus
ad longitudinem propinquiorem [illegible] minuta deinde
superationis lune in una hora et divide quibus
erit hora et si fuerit ad revolvendum revolutiones
per 60 et divide per id quod prius et erit
in hora et revolvendum etiam in eam per 60
et adde per id quod provenit 2 horis 2 quoque
sunt medie [illegible] [illegible] et
fuerit [illegible] horas cum [illegible] subtrahe
a tempore medie eclipsis tempus principii eclipsis
Si eius addas ad tempus medie eclipsis provenit
tempus finis eclipsis et si duplicaveris habebis
durationem eclipsis deinde [illegible] horas et si
mediam medie principii eclipsis [illegible]

medie medie eclipsis et fuerit multa propria mo-
ta solis in una hora tempore medie eclipsis et
quod provenit subtrahe ab vero loco solis dein-
de tempore medie eclipsis et provenit verus locus
solis in principio eclipsis. Et si ea que medie sub-
traxisti addideris habebis eodem in fine eclip-
sis. Multa quoque tempus horas per motum lune
in una hora et quod provenit subtrahe a vero
loco lune tempore medie eclipsis et etiam subtrahe
ab arcu latitudinis lune 2° equato et provenit
verus locus lune et arcus latitudinis lune
2° equatus in principio eclipsis. Et si ea que
medie subtraxisti addideris habebis eadem
in fine eclipsis. Deinde intra cum arcu
latitudinis lune 2° equato in principio eclipsis
tabulam latitudinis lune et accipe directe latitudinem
lune in principio eclipsis intra etiam eo arcu
latitudinis lune 2° equato in fine eclipsis et
inventis latitudinem lune in fine eclipsis deinde
[illegible] similiter est fine [illegible] secundum canones
precedentes

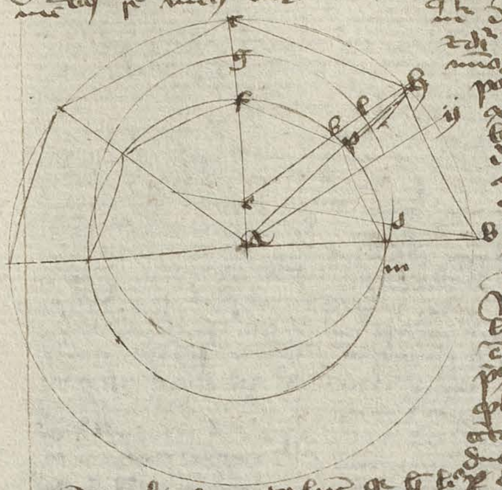
Eclipsis lune quantitatem et durationem per tabulas
invenire. Cum primo incipis oppositionem
[illegible] ad quam invenisti possibilitatem
lune eclipsis et oppositionis veram eodem modo perquiro
separando [illegible] [illegible] et equationem ad
[illegible] [illegible] [illegible] [illegible] lune intra
[illegible] et [illegible] [illegible] et vero [illegible]
longitudinem intra nadir solis et corpus lune
et non [illegible] [illegible] opus. Et si directe
medio separandi non [illegible] eo quod [illegible]
[illegible] [illegible] et [illegible] [illegible]
ad [illegible] [illegible] medie motus [illegible]
[illegible] adde vero loco lune tempore veracissime
oppositionis inventa et provenit arcus latitudinis 2°
equatus. Deinde [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] solis [illegible] [illegible]
[illegible] ad [illegible] horas [illegible] fuerit
[illegible] [illegible] [illegible] horas adde [illegible]
vere oppositionis et provenit tempus vere oppositionis
[illegible] et [illegible] tempus medie eclip-
sis. Deinde eo arcu latitudinis 2° equato quod
[illegible] [illegible] medie motus [illegible] draconis
ad verum locum lune / intra tabulam eclipsis
lunaris ad longitudinem longiorem et accipe
puncta eclipsis que sunt in directo / et intra
eodem [illegible] [illegible] / si [illegible] [illegible] per eadem modo
[illegible] fecisti in eclipsi solis [illegible] [illegible]
[illegible] [illegible] / si habuerit moram
[illegible] [illegible] [illegible] / si non habuerit moram

Si n(on) fuit o(mni)no in linea medii q(uod) intitulat(ur) m(inuta)
more vel h(abe)b(un)t moram. Et invenies q(uod)
mora vocat(ur) temp(us) q(uo)d e(st) a p(ri)ncipio totius
obscuracio(n)is s(cilicet) q(uando) tota luna intrat umbra(m)
usq(ue) ad p(ri)ncipium reditus lu(min)is. Et m(inuta) more
vocant(ur) spaciu(m) celi q(uo)d luna p(er)t(ra)nsit inte-
rim scilicet a p(ri)ncipio more usq(ue) ad me(dium) ecl-
ips(is). Et tunc m(inuta) cas(us) vocant(ur) sp(aci)u(m) q(uo)d
p(er)t(ra)nsit luna s(uo) motu a p(ri)ncipio eclip-
s(is) usq(ue) ad p(ri)ncipium more. Habit(is) igi(tur)
ist(is) s(cilicet) p(unct)is eclips(is) et m(inut)is more
et m(inut)is cas(us) ad longitudi(nem) longiorem sum-
ta et h(oc) s(i) luna in auge v(e)l sibi
p(ro)pinqua fuit. Si v(er)o no(n) fuit luna
in auge v(e)l sibi p(ro)p(inqu)a, intra cu(m)
arc(u) latitudi(n)is tabulas eclips(is) lunaris
ad longitudi(nem) p(ro)pinquiorem et accipe p(unc)-
ta eclips(is) m(inut)a cas(us) (et) more m(inut)a d(ic)ta
... ad longitudi(nem) longiorem
s(i) luna fuit in o(pp)o(sit)o aug(is) v(e)l ... et ut
brevi(te)r dicat(ur) s(i) luna fuit in auge v(e)l
sibi p(ro)p(inqu)a intra(n)s ad longitudi(nem) longio(rem).
Si v(er)o in o(pp)o(sit)o aug(is) intra(n)s ad longi(tu)d(inem)
p(ro)pinquiorem. Si s(ed) n(e)c e(st) in auge n(e)c in
o(pp)o(sit)o aug(is) intra(n)s ad ambas longitudines
... d(ic)ta(m) subtrahe p(un)cta eclips(is)
inventa ad longitudi(nem) longiorem a p(unct)is
... ad longitudi(nem) p(ro)pinquiorem et m(inut)a cas(us) a
... et m(inut)a more a m(inut)is more et
... ... et ar(cu)s
lat(itudinis) ... ... intra
... ... p(er) d(ivisi)o(n)e(m)
et ... m(inut)a ... ...
... ... et
... ... et p(un)ct(a) ... ...
... ... p(unct)a eclips(is) m(inut)a cas(us)
et m(inut)a more ... ad longitudi(nem) longio(rem)
... ad ... ...
... ...
... ...
... ...
... ... luna ...
... m(inut)a ... ... p(er) ... luna
in v h(or)a(rum) ... ... erit h(or)a
et s(i) ad ... fuit ... p(er) 60

et divide p(er) ... q(uo)d p(ro)venit et ... ... erunt m(inut)a ... et ... ...
p(er) 60 et divide ... p(ro)venit ... ... erunt ... h(or)a(rum). ... ... h(or)as
et 2a ... ... a p(ri)ncipio eclips(is) usq(ue)
ad p(ri)ncipium more s(i) h(ab)uerit moram v(e)l
a p(ri)ncipio eclips(is) usq(ue) ad me(dium) s(i) non
h(ab)uerit moram. ... ... m(inut)a more
p(er) ... luna in v h(or)is et p(ro)venie(n)t h(or)e
... ... v(e)l m(inut)a et ... ...
s(i) no(n) h(ab)et h(or)am ... a p(ri)ncipio ...
usq(ue) ad me(dium) eclips(is) ... h(or)as
... a p(ri)ncipio eclips(is) ad mediu(m) s(i) no(n)
h(ab)uerit moram. Subtrahe a t(em)p(or)e opp(ositionis)
ver(a)e ... ... et ... t(em)p(u)s
p(ri)ncipii eclips(is) et s(i) ... h(or)as ad-
d(er)is ad t(em)p(u)s ... p(ro)venit t(em)p(u)s
eclips(is). Si v(er)o eclips(is) h(ab)uerit mora(m)
... ... m(inut)a ... a p(ri)ncipio eclips(is)
usq(ue) ad p(ri)ncipium more ... h(or)as ...
et ... q(uod) s(unt) a p(ri)ncipio more usq(ue) ad
mediu(m) eclips(is) et t(em)p(u)s subtrahe a t(em)p(or)e
vere opp(ositionis) et ... t(em)p(u)s p(ri)ncipii
eclips(is) et s(i) ... addideris p(ro)venit t(em)p(u)s
finis eclips(is). Subtrahe ... t(em)p(u)s q(uo)d e(st)
a p(ri)ncipio more usq(ue) ad me(dium) eclips(is) a
t(em)p(or)e vere opp(ositionis) ... ... et ...
... p(ri)ncipium more et s(i) ... adde(re)s
p(ro)venit finis more et s(i) duplaveris
t(em)p(u)s q(uo)d e(st) a p(ri)ncipio eclips(is) usq(ue) ad me(dium)
p(ro)venit t(em)p(u)s ... eclips(is) usq(ue) ad fine(m)
et s(i) duplaveris t(em)p(u)s a p(ri)ncipio more
usq(ue) ad me(dium) eclips(is) p(ro)venit t(em)p(u)s more
s(cilicet) p(er) q(uo)d t(em)p(u)s luna stat in umbra.
... s(i) ... volueris h(or)as q(ue)
a p(ri)ncipio eclips(is) s(unt) usq(ue) ad me(dium) ...
p(er) motu(m) lune in v h(or)a(rum) et q(uo)d p(ro)venit
subtrahe a v(er)o loco lune ... ...
vere opp(ositionis). ... subtrahe ab arcu
latitudinis et p(ro)venit ... lune ...
eclips(is). ... ab arcu lat(itudinis)
lune ... ...
... ... ar(cu)s lat(itudinis)
lune ... ... p(ri)ncipio eclips(is). Et s(i) ...
... ...
... eclips(is) ... ...
... ... tabulas lat(itudinis)

hec est pars libri artis latine in compendio
meo et fine aliorum scias
per doctrinam magistri Iohannis de Linerijs
a quo habui doctrinam et scientiam meam

[illegible]

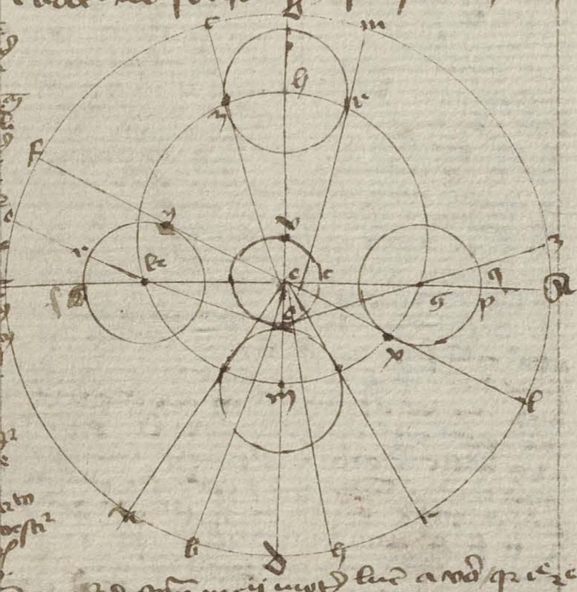


[illegible]

[illegible]

Equatio centri [illegible]

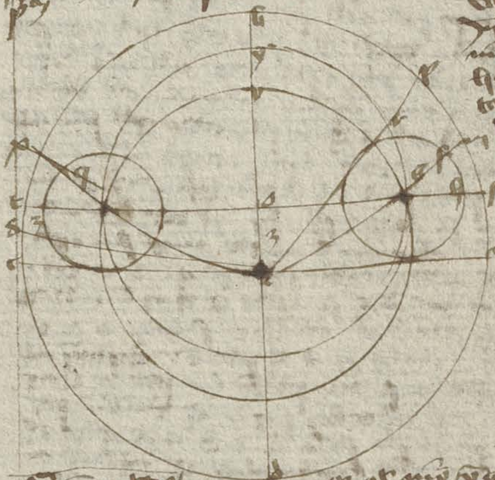
[illegible]



[illegible]

[illegible]

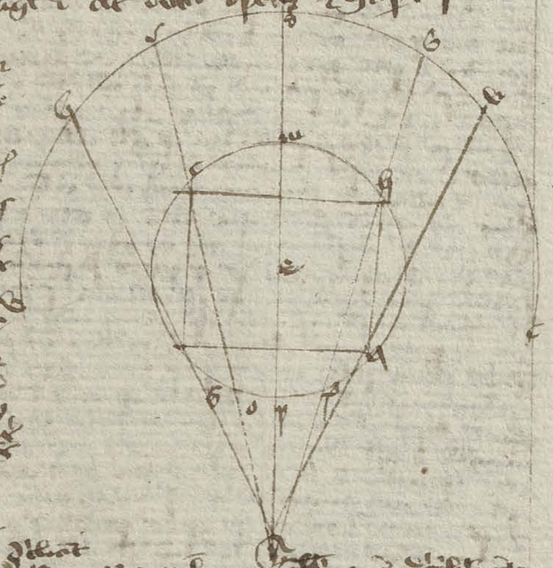
[illegible]



[illegible]

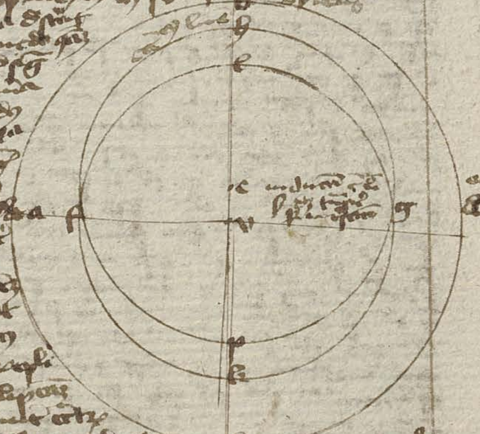
[illegible]

[illegible]



[illegible]

[illegible]



[illegible] ... a motu dieno ... stella ... [illegible]

Et cum distat [illegible] ... distantia ... [illegible]

[illegible]

descensus ... multo plus ... [illegible]

[illegible]

Et licet ... [illegible]

[illegible]

[illegible] distat [illegible]

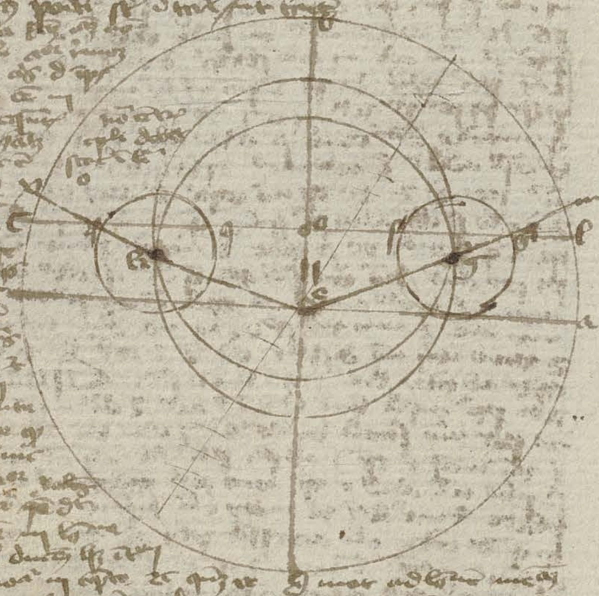
[illegible] Medius motus [illegible]

Centrum [illegible]

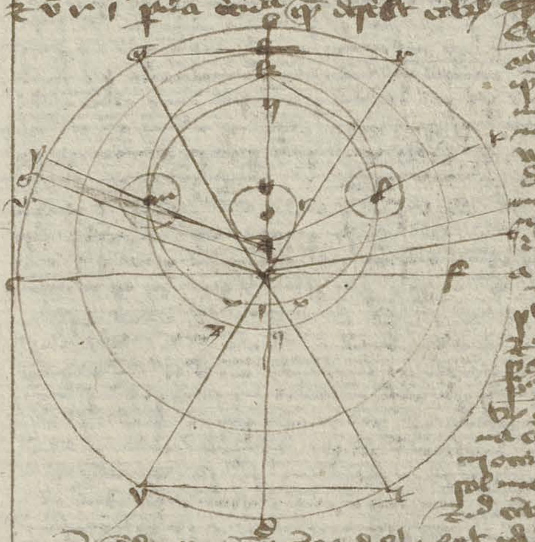
[illegible]

[illegible]

[illegible]



[illegible]


f

[illegible]

Am finissement augt equans

[illegible]

[illegible]

[illegible]

[illegible]

Medius autem motus [illegible]

[illegible]

Quarto vero [illegible]

[illegible]

[illegible]

De retrogradacionibus [illegible]

[illegible]

medie nō ꝑ directe ī medio ӡ t auge et opposito augis ꝑ ꝑ̄mis ipȝ ꝓpinquis oppositi augis q aug & ad distantiā eius a medio q dicit dimid[illegible] locū q ꝑ ī mobile dicunt · i · q autor vocat dia[illegible] q longitudines medie sunt in auge et opposito augis / Luna vero non dicit habere

[illegible]

luna dubitat utrū luna possit dici retrograda quia directe / arguitur quod sic quia motus lune [illegible]

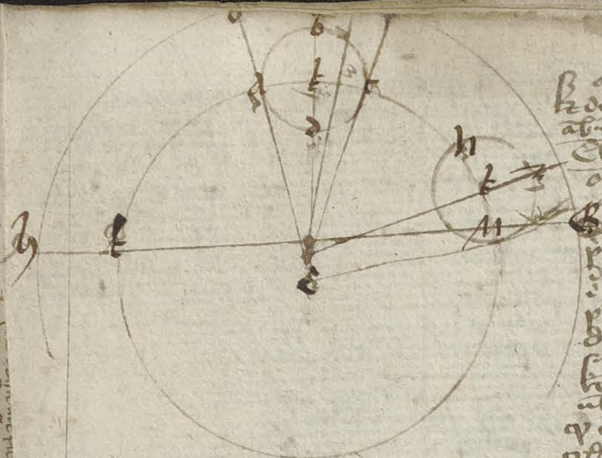
[illegible]

[illegible]

ꝑ̄ssit ut bene arcū ī die [illegible] ꝓbat[illegible] [illegible] circulus ī superiori parte epicicli ꝑ̄ssit [illegible] zodiaci [illegible] ī inferiori parte [illegible] ī inferiori parte [illegible] [illegible] arcum minorem de tarda [illegible] et [illegible] ꝑ̄ssit maiorem de velocitate / Alia ratio [illegible] plane[illegible] 7

lineas [illegible] semidiametri epicicli ad lineas [illegible] et [illegible] [illegible] longitudinem [illegible] [illegible] eius medio motui ī longitudine [illegible] [illegible] stelle [illegible]
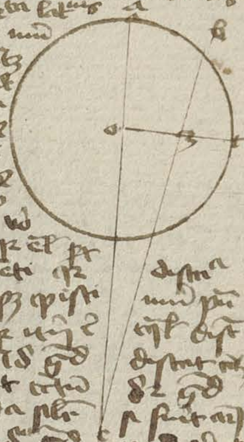
[illegible]

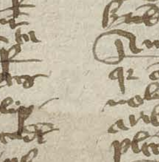


[illegible]

	Motus [illegible]		[illegible]			
	G	m	G	G	m	
	227	28	180	14	0	aux
Sol[?]	228	16	138	8	18	longitudo media
	231	0	135	2	0	opposita augis
	255	10	122	21	16	aux [illegible]
Jupiter	291	20	120	9	28	longitudo media
	292	22	118	7	10	opposita augis
	312	16	80	2	28	aux
Mars	326	18	42	23	28	longitudo media
	338	30	62	13	10	opposita augis
	331	21	83	13	16	aux
Venus	336	18	81	16	12	longitudo media
	339	22	80	8	0	opposita augis
	226	28	21	2	16	aux
Mercurius	224	18	22	7	18	longitudo media
	229	28	22	20	27	opposita augis
		28	22	11	28	opposita augis [illegible]

[illegible]





[illegible]



[illegible]

[illegible] latitudinis [illegible] ab equinoctiali [illegible]
[illegible] latitudinem [illegible] ab equinoctiali [illegible]
[illegible] stellarum fixarum quot minuta [illegible]
[illegible] ad stellam [illegible]
[illegible] stelle fixe [illegible]
[illegible] ab equinoctiali [illegible]
[illegible] quot minuta in latitudine [illegible]
[illegible] stelle a equinoctiali [illegible]
[illegible] stelle [illegible] ab ecliptica [illegible]
[illegible] stelle ab equinoctiali latitudinem [illegible]

[illegible]

[illegible]

Circulatio tabule binarij

[illegible]

[illegible]

ab eclipsi [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

... fuit pot pto ... octavam ... 100 ... abscidit ... annus ... et ... opinionem ...

... modernissimi ... duplicem ... et aliud ... octava spera ... nona spera ... et ... imaginem ... pot ... opinio ... caput arietis mobilis ... caput arietis ... mobilis describet ... circumferenciam ... dia ... octava ... et ... 100 annis ... circumferencia ... caput arietis mobilis ... 100 annis ... et ... tota revolucio ... 36 milibus annorum ... atque ... vocabant ... magnum annum ... redibunt ad statum ... omnes ... ad ... statum ... et caput arietis mobilis ... arietis ... mobilis et ... accedit ... illam ... conferentie ... completa est ... octava spera ... et tabula ... motus octave spere ... et ... dicit ... motu ... ptolomeum ... octava spera movetur ... et ... signa equinoctialia ... zodiaci mobilis ... signis tropicis zodiaci fixi ... ariete ... cancro et libra ...

... albategni ... ptolomei ... 60 annos ... 1 ... quantitatem motus octave spere ... quantitas anni solaris ... motu octave spere ... quantitate anni solaris ptolomeus ... anni solaris ... dies ... et quarta ... albategni ... quantitatem anni solaris ... dies et quarta ... dies et ... solsticia ...

[illegible]

[illegible]

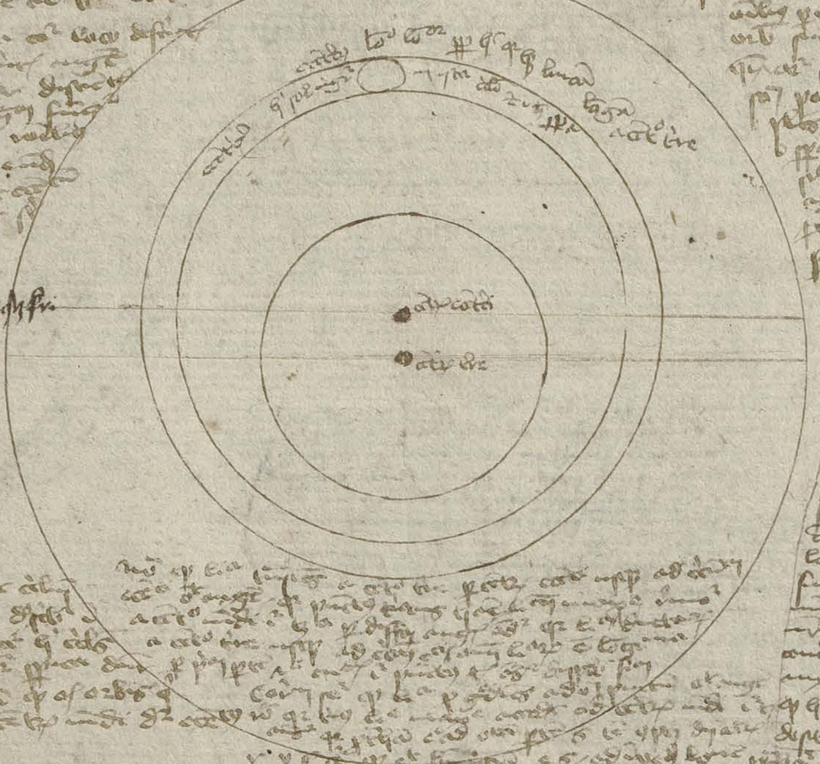
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] anno d[illegible] m cccc xxxiv [illegible]
[illegible]

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] illi [illegible]
[illegible]
[illegible]

[illegible]

Theorica cuiuslibet planete

[illegible]



[illegible]

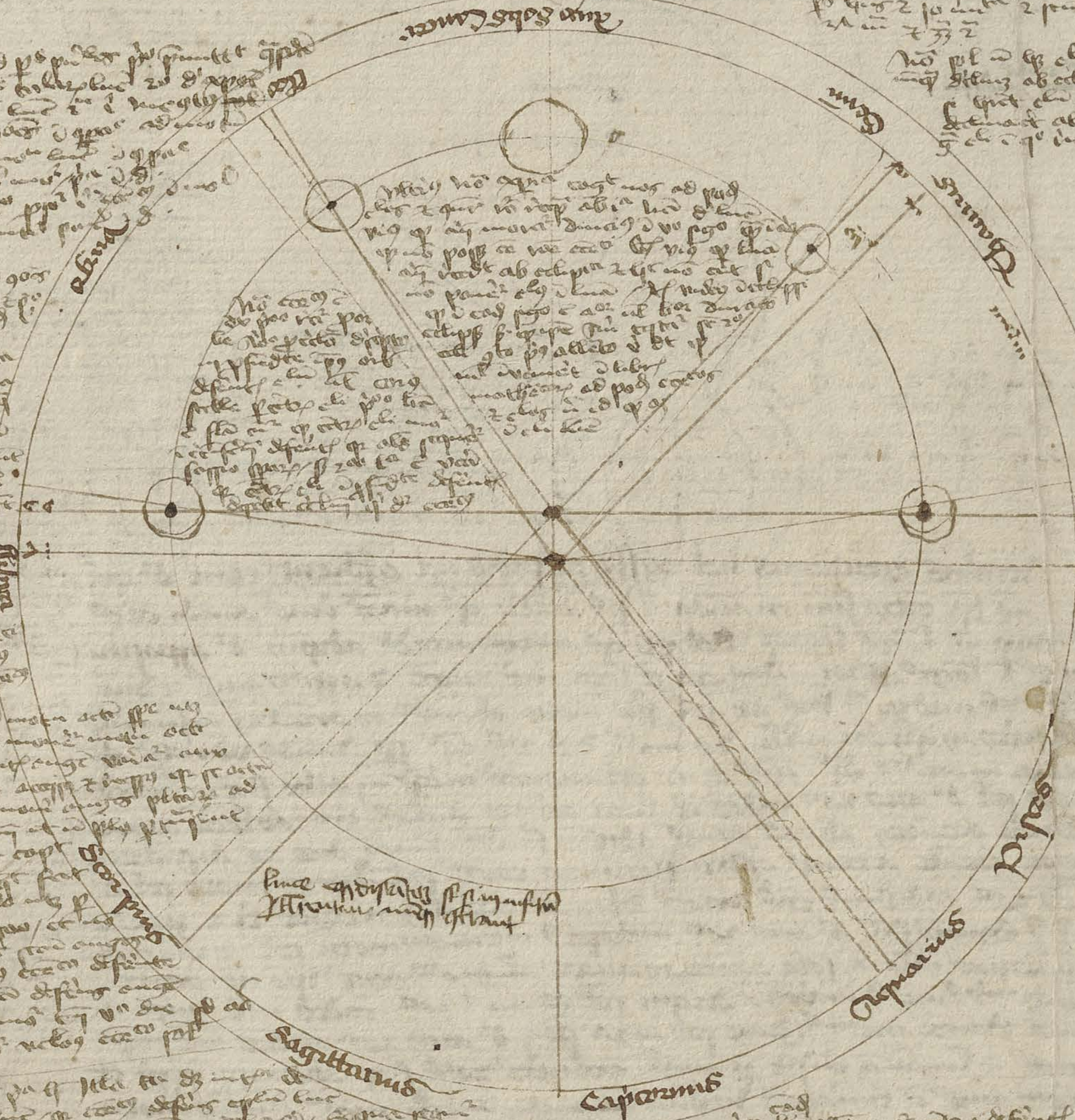
Circulus eccentricus vel egresse cuspidis vel egredientis centri dicitur qui
non habet centrum suum cum mundo. Pars eius eccentrici que maxime inmoratur circulo
dicitur aux vel longitudo longior. Sed pars que magis accedit ad firmamentum dicitur oppositum
augis vel longitudo propior. Duo igitur sunt loca inter augem et oppositum augis et dicuntur
longitudines medie. Movetur autem sol equali motu ab occidente in orientem in suo circulo
eccentrico in quolibet die naturali 59 minutis et 8 secundis fere. Mundus vero rotatur ab
oriente in occidentem equaliter. Quod autem sol moveatur inequaliter in orbe signorum. Medius
motus solis dicitur arcus zodiaci cadens inter lineam exeuntem a centro terre ad locum arietis
et lineam exeuntem ab eodem centro ad firmamentum. Linee dico equidistanter
linee exeunti a centro eccentrici per centrum corporis solis. Verus motus solis dicitur
arcus zodiaci cadens inter eandem arietis et lineam exeuntem a centro terre per corpus
solis. Equatio solis dicitur arcus zodiaci interceptus inter medium motum solis et verum motum
solis. Equatio nulla est sole existente in auge vel in opposito augis. Ipso autem existente
in longitudinibus mediis maxima. Argumentum solis dicitur arcus zodiaci cadens inter augem et
lineam exeuntem medii motus. Aux solis in zodiaco dicitur arcus zodiaci cadens inter caput
arietis et lineam que transit per augem eccentrici zodiaci, que ab auge incipit et
ad oppositum augis terminata. In una autem medietate circuli maior est medius motus
quam verus motus, unde ibi equatio solis subtrahenda. In alia autem minor, quare
ibi addenda est equatio. Ad inveniendum autem medium motum solis est inveniendus

[illegible]

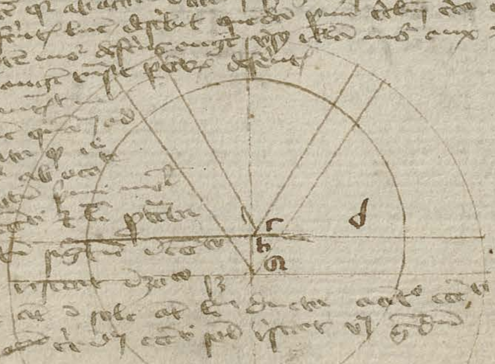
[illegible marginal and interlinear annotations]

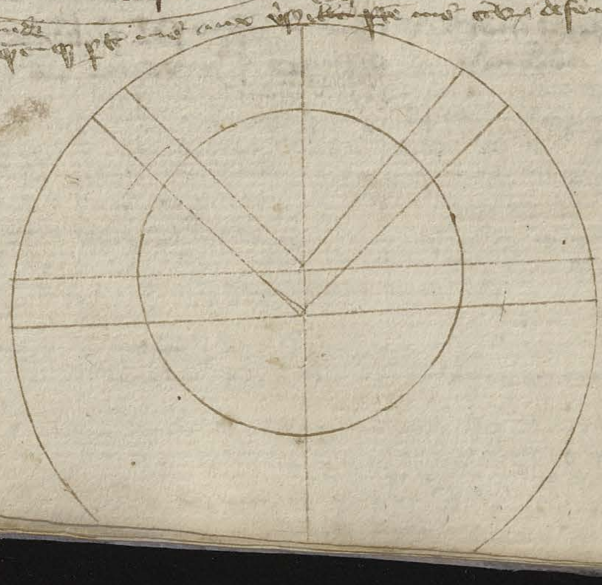
Pertinet arcus zodiaci qui est inter ... ad totum zodiacum quemadmodum se habet arcus circuli ecentrici pertransitus a sole ad totum ecentricum. Et hec invenitur per lineas centris distantes ponit ... in subscripta figura. Ita est theorica solis.

[illegible marginal and interlinear annotations]

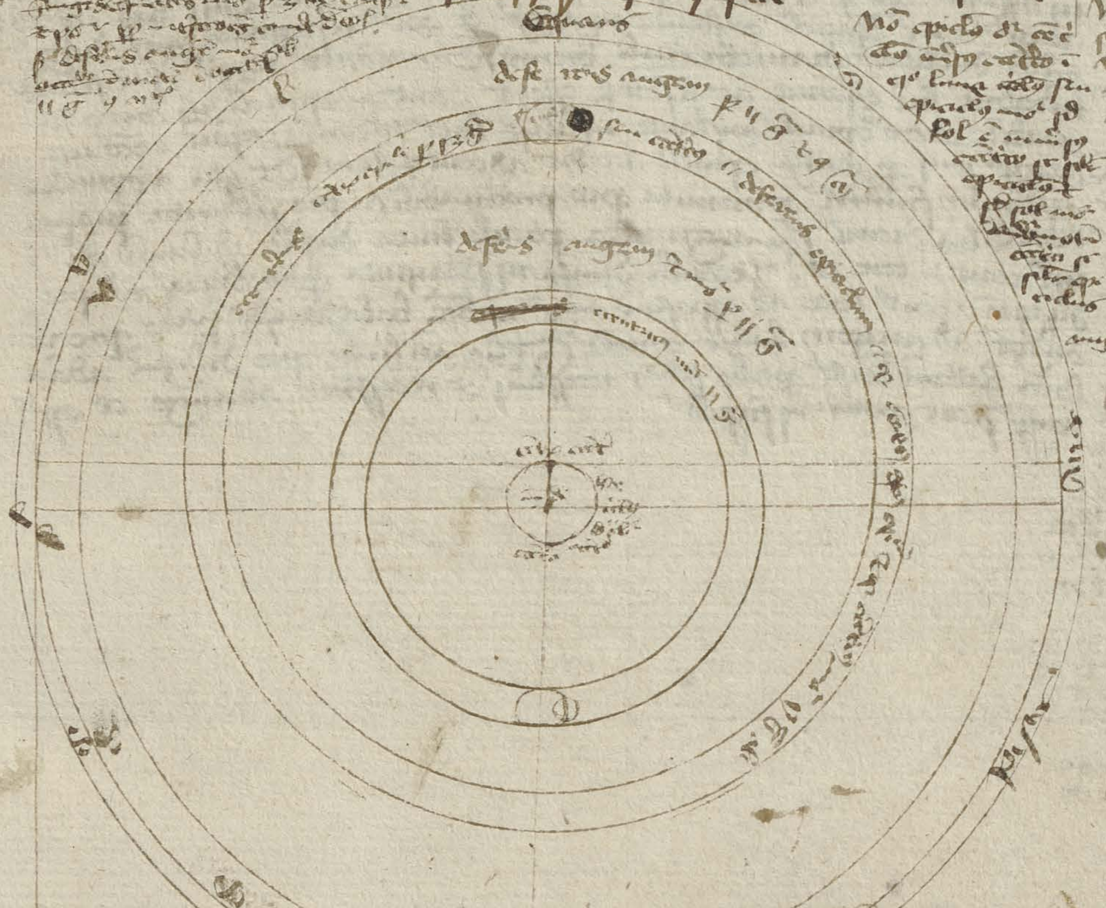


[illegible marginal annotations]





piculus sunt orbis revolutionis lune / orbis bine dimmict d' quidam
primus circulus cuius centrum cum medio sit circumferencia ecentrici abo(r)iente
te in orientem / centrum sol in medio est nisi admotio hic ... centrum
? lune medio in qualibet die abo(r)iente in occidente ... / Et centrum
ecentrici describit sibi unum primum circulum contra centrum medium et centrum
epicicli lune medio 13 gradibus fere in die abo(r)iente in orientem / Et aux ecentrici
n gradibus in die abo(r)iente in oriente / Et centrum sol medio fere uno gradu
in die contra firmamentum ... patet quod si centrum sol et aux ecentrici lune
et centrum epicicli lune fuerit in aliqua hora in aliquo loco sol
in septima die distabit sol ab illo loco in uno gradu fere versus orientem et
aux ecentrici lune distabit per 11 gradus versus occidentem / Et centrum epi
cicli lune per 13 gradus versus orientem / ita quod sit sol in medio fere duplex
distancia sol et centrum epicicli lune ad solem habet distancia ...
auge et epiciclum / et habet distanciam dicit centrum lune / et duplex medi
circuli vel longitudo duplex / Et ... medius ... puncta cum
fuit in loco eodem cum sol vero est in medio duorum ... aut in opposito patet
quod centrum epicicli lune bis in mense perfecit circulum ... aut in opposito
ad solem in auge et in opposito ... in quadratis ... est in quarta
... propriori ... in medio in circumferencia sui epicicli ... in longitudine
occidentem ... est ... in circulo suo / Et ... ab oriente in
velocior ... cuius / Et omnes ... plate faciunt ... Sicut aux equalis
sol medio super centrum ecentrici ... et centrum epicicli lune equalis
medio super centrum medium ut patet in figura subscripta

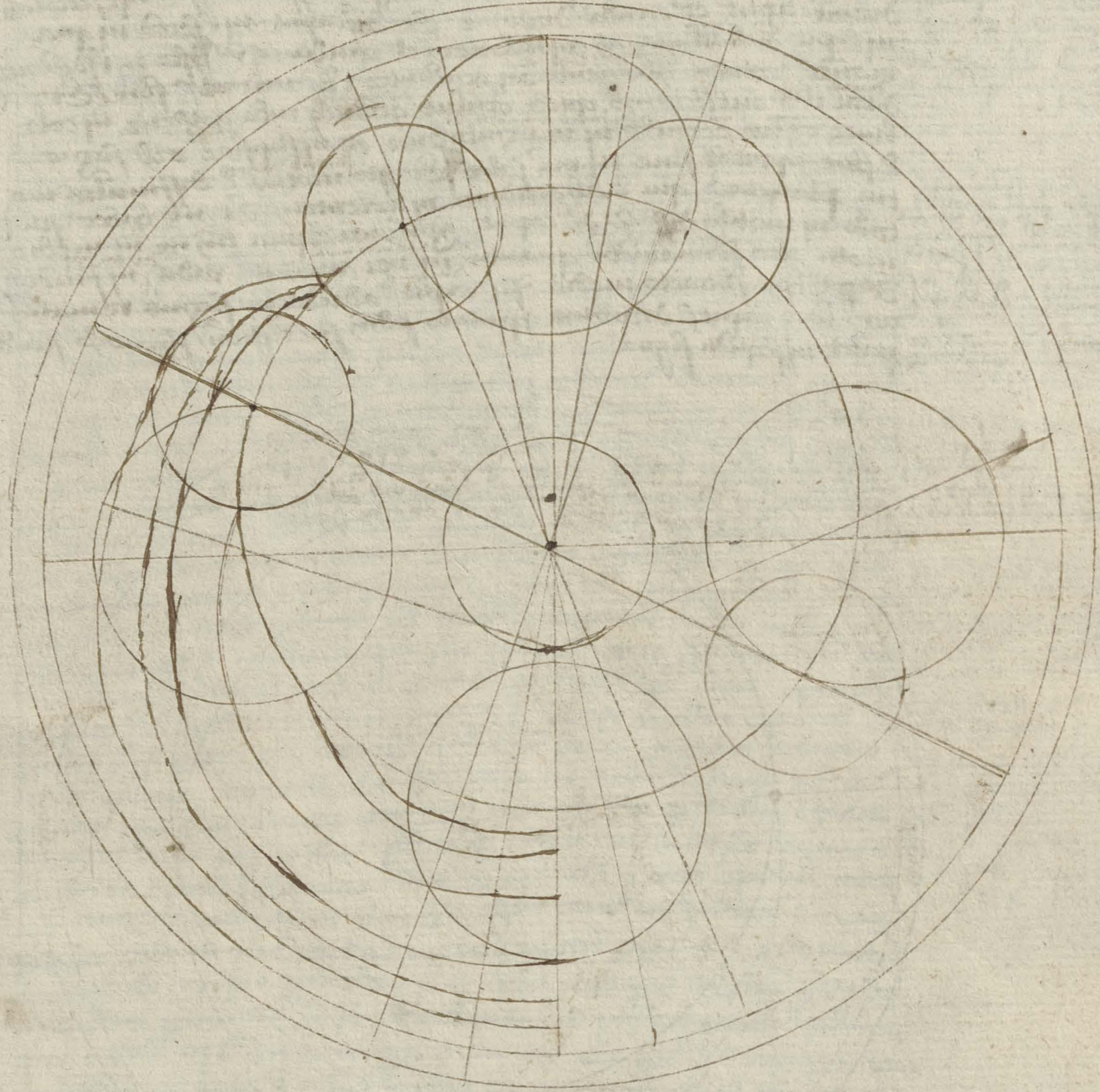


[illegible] [marginal note at top of page]

[illegible] [marginal notes, left margin]

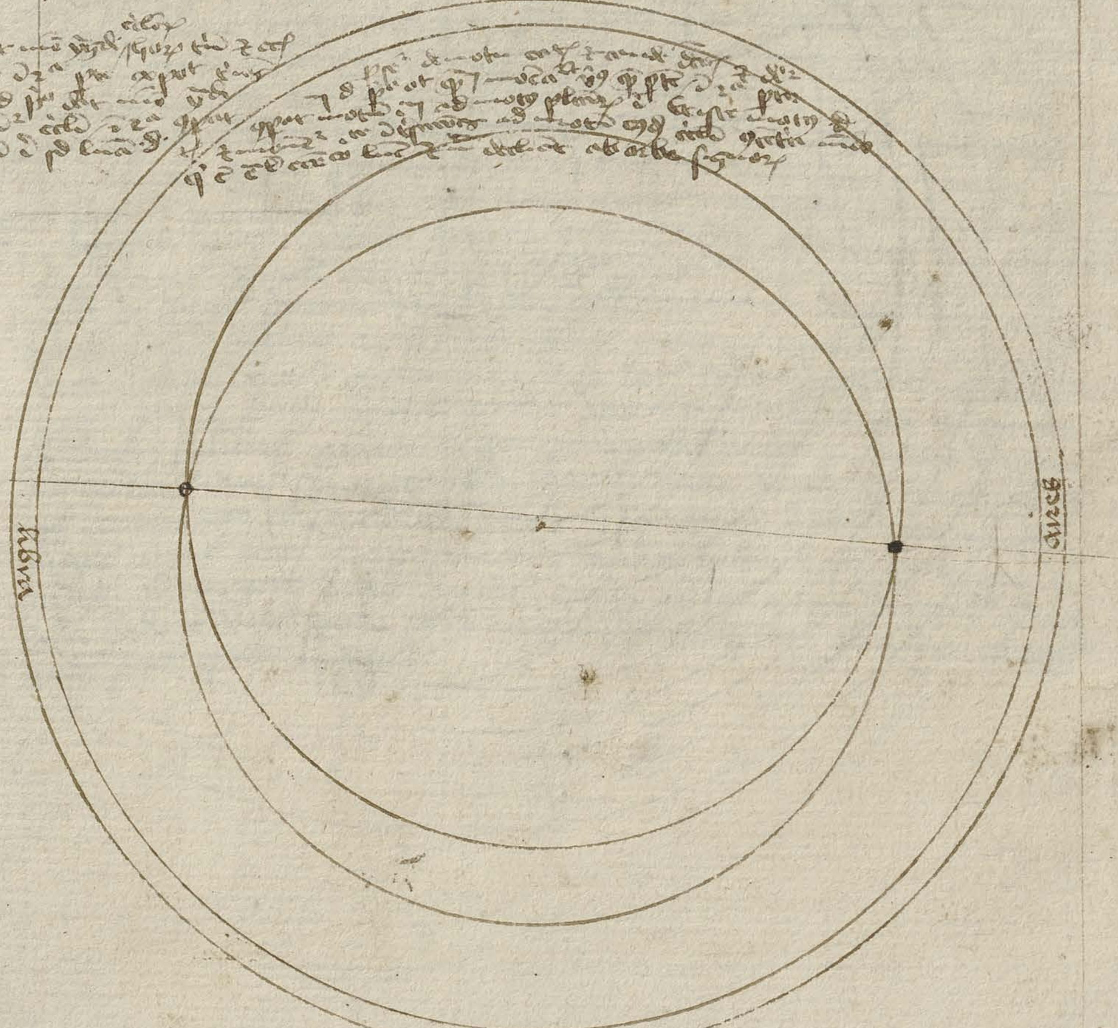
[M]edius motus lune est arcus zodiaci in capite arietis delatus
secundum successionem signorum per circulos [illegible] et terminatus in linea
exeunte a centro terre per centrum epicicli lune. Verus motus lune
terminatur per lineam exeuntem a centro terre per centrum corporis lune.
[A]rgumentum medium in epiciclo dicitur [illegible] quod terminatur linea exiens a puncto
puncto opposito centro eccentrici qui tantum distat a centro terre quantum centrum
eccentrici [ab centro] exiens per centrum epicicli ad superiorem partem epicicli. Argumentum
autem verum dicitur punctus epicicli quod terminat linea extensa a centro mundi per
centrum epicicli ad superiorem partem. Equacio centri est arcus [illegible] epicicli
[illegible] augem mediam et veram. Medium argumentum lune dicitur arcus epi-
cicli [illegible] augem mediam et centrum lune. Centrum vero epicicli existente
in auge eccentrici quod est in coniunctione et opposicione. Et existente in opposito
augis quod est in quadraturis lune ad solem, nulla est equacio centri, et
argumentum verum et medium sunt idem. Equacio argumenti lune dicitur arcus zodiaci
[illegible] medium motum et verum, que equacio nulla est centro epicicli existente
vel in auge eccentrici vel in opposicione augis, et [illegible] luna existente
in longitudine longiori vel propiori sui epicicli. Maior vero est centro epi-
cicli existente in longitudine propiori eccentrici et luna existente in longi-
tudinibus mediis epicicli lune. Et dum luna fuerit in medietate epicicli
que respicit occidentem, a [illegible] maior est medius motus quam verus, quare
tunc equacio argumenti subtrahenda est, in reliqua vero medietate [illegible] tangit [illegible].
Et sciendum quod maiores sunt equaciones argumenti existente centro epicicli
in opposito augis eccentrici quam in auge. Et dum que sunt hic equaciones
argumenti centro epicicli existente in auge et [illegible] in opposito augis, dicitur
equacio diversitatis diametri circuli brevis. Equaciones argumenti que scribuntur
in tabulis sunt equaciones ac si semper esset centrum epicicli in auge ec-
centrici. Centro vero epicicli existente in aliis locis eccentrici crescunt equaciones
argumenti secundum quod centrum epicicli accedit ad centrum terre. Et ista argumenta
equacionum sumuntur per minuta proporcionabilia, que minuta propor-
cionabilia dicuntur [illegible] argumenta particule linee duple ad lineam [illegible]
[illegible] centrum terre et [illegible] eccentrici divisa in sexaginta partes. Linea vero que
ducitur a centro terre ad oppositum augis nullam habet de istis partibus, que vero
ducitur ad augem habet omnes. Alie vero linee que ducuntur ad alia
loca habent de istis partibus secundum accessum et recessum ab auge et opposito
augis sicut patet in figura.

[illegible] [marginal notes, right margin]



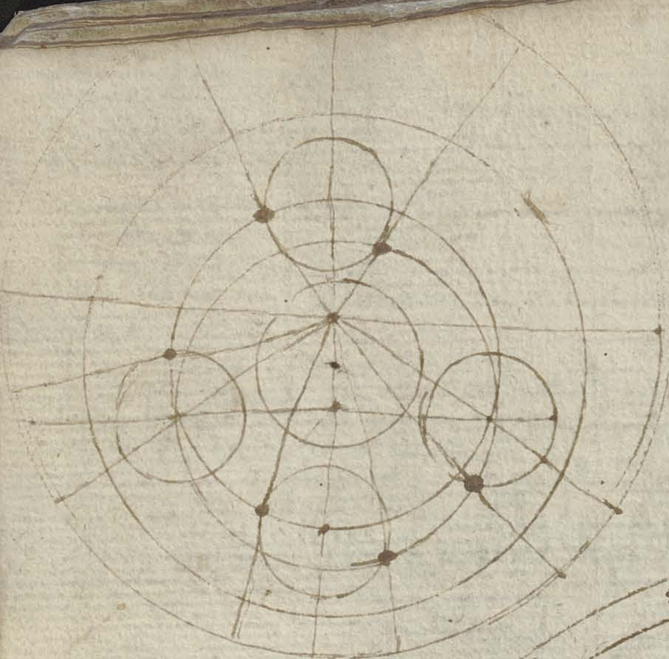
Nota quod sit medius motus capitis draconis et cursus zodiaci ... secundum successionem signorum ...

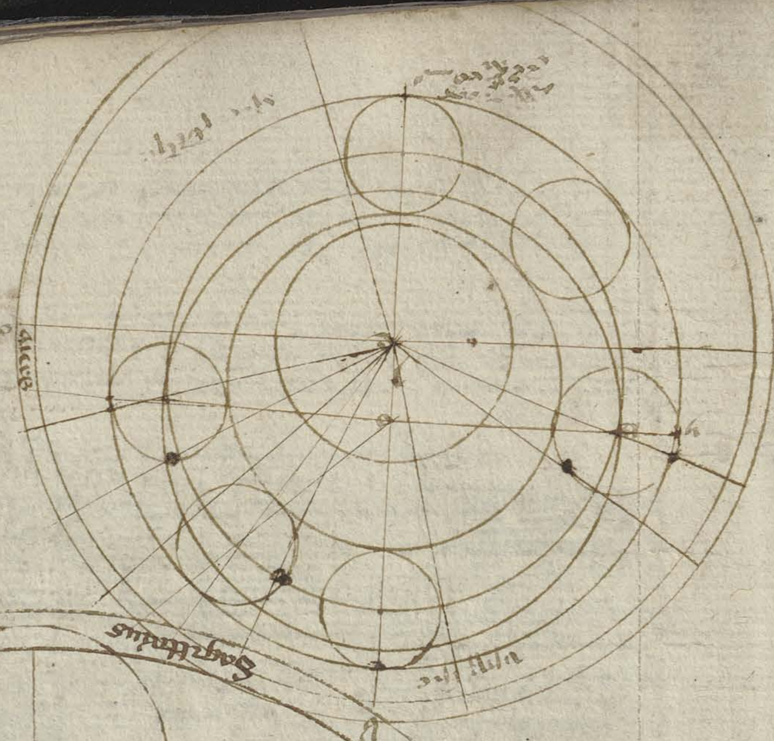
De capite et cauda draconis. Eccentricus lune deviat circa solem
in duplicem partem scilicet in aquilonem et meridiem et intersecat
eccentricum solis in duobus locis oppositis. Et iste intersectiones
dicuntur caput et cauda draconis. Et dicitur caput intersectio in qua
incipit declinare luna ad aquilonem et cauda est opposita. Iste intersectiones
moventur cottidie ab oriente in occidentem tribus minutis fere. Et
dicuntur iste intersectiones quod circulus concentricus mundo existens in celo
lune equalis eccentrico in magnitudine et in superficie orbis signorum
[sive] sive in via solis. Et iste motus est dissimilis mo-
tui planetarum qui est ab occidente in orientem. Et ut habetur simili-
tudo in motibus differentie dicitur caput generaliter quia tunc ire in medio
motu contra firmamentum quantum in rei veritate vadit in similitudine
et propter hoc substracto medio cursu capitis a duodecim signis remanet
verus locus capitis draconis computatus secundum successionem signorum sicut
patet in sequenti figura

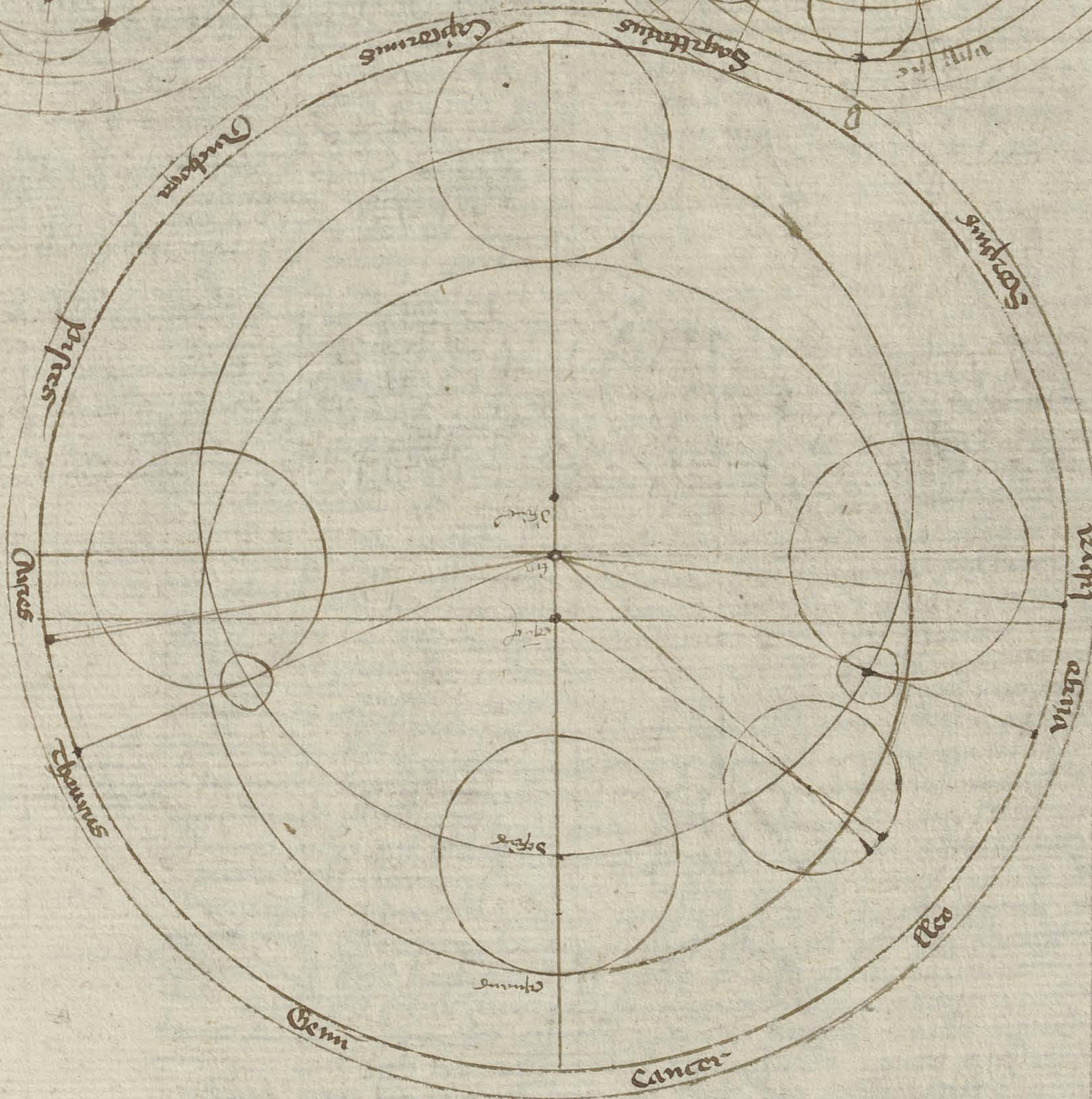


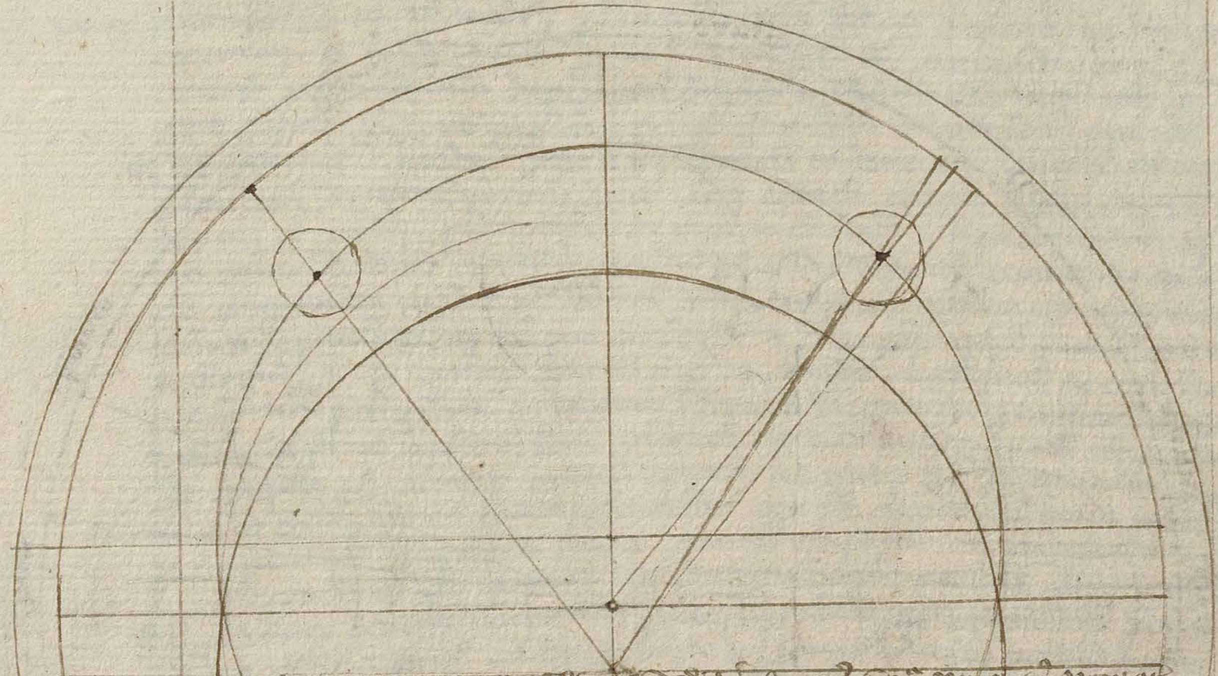
Capitulum de tribus superioribus. Unde notandum quod quilibet trium superiorum habet
duos circulos excentricos dispositos in eadem superficie planete
Et sunt immobiles nisi quantum ad motum octave spere et ad motum celi
diurnum contra totum ab oriente in occidentem. Et unus dicitur excentricus deferens
cuius circumferentia defert centrum epicicli ab occidente in orientem. Et alius
dicitur excentricus equans motum, super cuius centro equaliter movetur centrum
epicicli. Et in temporibus equalibus equales angulos describit. Et hii
duo excentrici in una parte celi elevantur equaliter. Et ille cuius centrum
propinquius est terre deferens est, reliquus vero est equans. Et centrum deferentis
tantum distat a centro terre quantum centrum deferentis a centro equantis. Et
ita tria centra sunt in una linea et ambo excentrici
sunt unius quantitatis. Et patet in linea diametri epicicli que respiciat centrum
terre centro epicicli existente in auge et in opposito augis. Postea
centro epicicli existente in aliis locis excentrici declinat ad quendam punctum
oppositum centro excentrici qui tantum distat a centro mundi quantum illud
centrum excentrici. Similiter et in hiis tribus planetis diameter epicicli
que respiciat centrum mundi centro epicicli existente in auge vel in
opposito augis excentrici. In hiis aliis locis excentrici centro epicicli
existente respiciat centrum equantis, et in hoc vero reflexionem. Et sicut
luna in superiori parte sui epicicli movetur ab oriente in occidentem
in inferiori e contrario, et isti tres planete moventur in superiori parte epi-
cicli ab occidente in orientem et in inferiori e contrario. Et sciendum quod quilibet
istorum trium quando est soli coniunctus(?) est in superiori parte epi-
cicli sui scilicet in media auge. Et in quolibet opposito medii motus cum
sole planeta est in infima parte sui epicicli et in coniunctione cum sole
in longitudinibus mediis. Contrarie(?) in tanto tempore centrum epicicli
in quanto sol redditur ad stellam quamcumque. Aux media epicicli dicitur
punctus in superiori parte epicicli quem terminat linea exiens a centro
equantis per centrum epicicli. Et hec aux non variatur. Aux vera dicitur
punctus quem terminat lineam exeuntem a centro terre per centrum epicicli.
Et hec aux variatur secundum quod crescat vel decrescat equatio
centri in epiciclo. Equatio centri in epiciclo est arcus epicicli cadens
inter augem mediam et veram. Et equatio centri in zodiaco est arcus
zodiaci cadens inter medium motum epicicli et verum motum
epicicli. Et in qua proportione se habet una equatio ad suum circulum
in eadem proportione habet se et reliqua, quod posset probari per lineas
que cadunt inter lineas equidistantes. Et propter hoc accepta una
in tabula accepta est reliqua. [illegible] motus cuiuslibet istorum trium superiorum
est arcus zodiaci cadens inter lineam et orientem(?) lineam dico
exeuntem a centro terre equidistantem linee exeunti a centro
equantis per centrum epicicli. ~~Et isti tres planete~~ verus

aut motus epicicli est arcus orbis signorum consistens inter augem et lineam
exeuntem a centro terre per centrum epicicli. Verus locus planete est arcus
linee exeuntis a centro terre per centrum planete. Et linea ante planetarum
in sua significatione dicitur sicud in sole arcus zodiaci incipiens ab extremitate
tiatis per lineam ductam ad zodiacum a quodam puncto terre opposito angulis
[margin: ecentricorum] et centrum. Centrum vero medium planete est arcus zodiaci consistens inter augem
ecentrici et medium motus epicicli et in sole dicitur argumentum et in luna
centrum vel longitudo duplex vel duplex in epiciclo. Argumentum verum est
arcus zodiaci consistens inter augem ecentrici et verum locum epicicli.
Et argumentum medium dicitur arcus epicicli cadens inter augem mediam et centrum
planete. Et argumentum verum dicitur arcus epicicli cadens inter augem
veram et centrum planete et in una medietate celi subtrahitur equatio
centri in zodiaco a centro medio et additur equatio centri in epici-
clo argumento medio ut habeatur verum centrum in zodiaco et argumentum
verum in epiciclo et in reliqua medietate fit econverso quod faciliter patet
in figura. Et quando centrum epicicli fuerit in auge vel in opposito
augis nulle sunt predicte equationes. Equatio argumenti planete est arcus
zodiaci consistens inter verum locum planete et verum locum epicicli et maior
est quanto plus accedit centrum epicicli ad centrum terre argumento plane-
tis et eodem consistente tanto plus crescit equatio argumenti quia minores
sunt equationes argumenti centro epicicli consistente in longitudine propiori
propiori ecentrici quam ipso consistente in longitudinibus mediis ~~quam in auge~~
[margin: et maiores sunt equationes in longitudinibus mediis quam in auge ecentrici] Equationes autem argumenti scripte in tabula sunt equationes sunt eq-
uationes ac si semper centrum epicicli in longitudinibus mediis esset
nisi quando centrum epicicli vadat per equatorem equantem, si vero semper esset
erit semper centrum equatum. Et dicitur tunc centrum epicicli in longitudine
media equatum quando diameter epicicli stat perpendiculariter super diametrum
medii transeuntem per centrum ecentricorum. Differentie que sunt inter equationes
in longitudine media et equationes que sunt in auge dicuntur diver-
sitates diametri circuli brevis in longitudine longiori. Et differentie
equationum que sunt in longitudinibus mediis et opposito augis
dicuntur diversitates diametri circuli brevis ad longitudinem propiorem
et iste diversitates diametri circuli brevis scribuntur in tabulis. Excessus
autem linee protracte a centro terre ad longitudinem augem ecentrici
ad lineam protractam ab eodem centro terre ad longitudinem medi-
am ecentrici divise in sexaginta partes dicuntur minuta proportionalia
ad longitudinem longiorem. Excessus linee protracte ad
longitudinem mediam ad lineam protractam ad longitudinem propiorem
dicuntur minuta proportionalia ad longitudinem propiorem. [illegible] autem diversitates diametri
ad longitudinem propiorem addimus vel subtrahimus ad longitudinem longiorem equationem
[illegible] faciliter patet [illegible] centro [illegible] ut [illegible] est centrum epicicli






Capricornus
Sagittarius
Scorpius
Libra
Virgo
Leo
Cancer
Gem
Taurus
Aries
Pisces



[illegible]

[illegible]

[illegible]

[illegible]

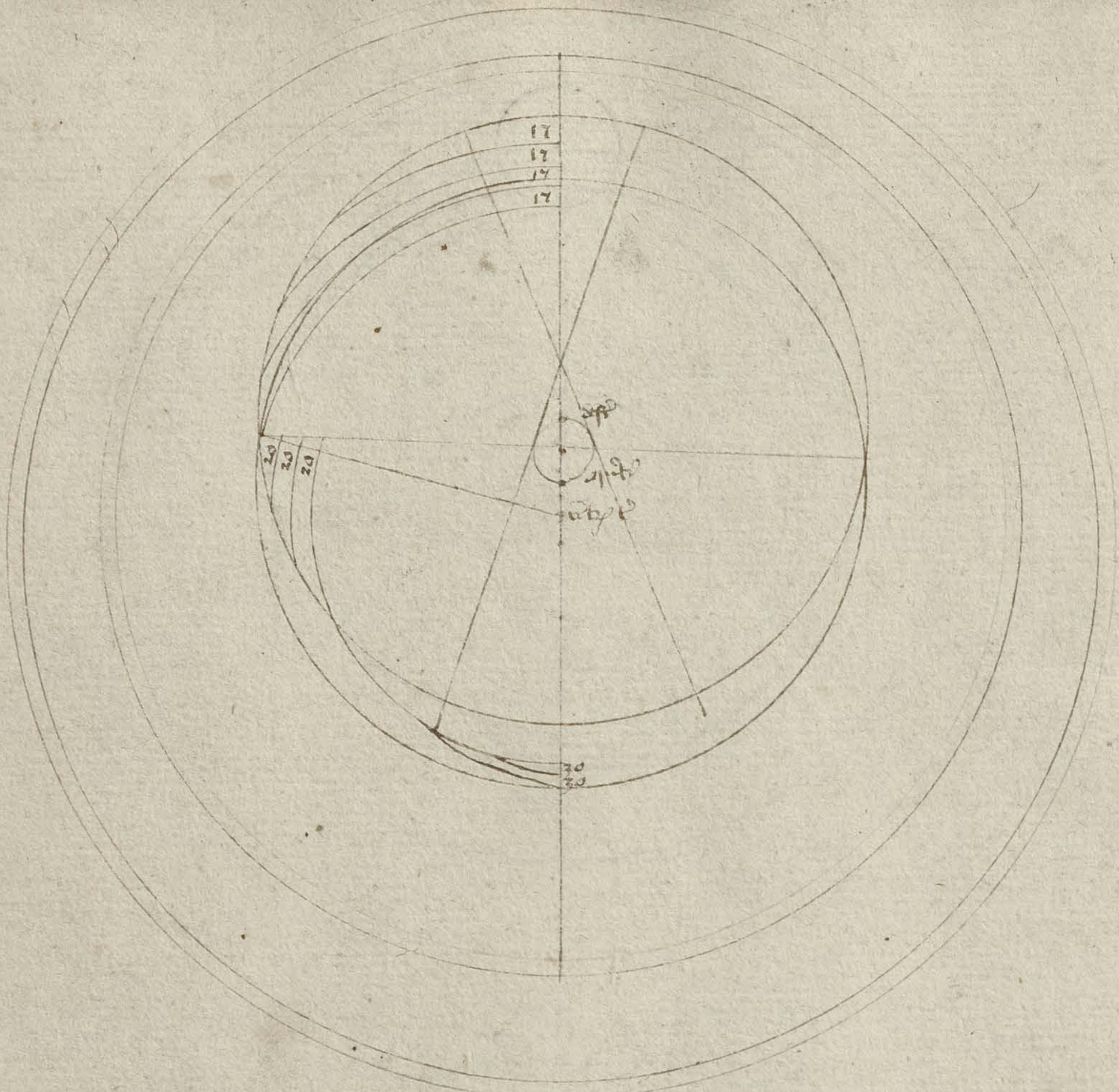
Equant d'Vene et Mercurii. Mercurius habet duos circulos unum quod
atz in eadem superficie plana dispositos scilicet equantem et deferentem
et centrum equantis est propinquior centro fere opposite augis. Nam in duplo ap
tet distat centrum deferentis mercurii a centro equantis quantum distat centrum
equantis a centro terre, quia quidam primus circulus debet transire
per ista duo centra ecentrorum et superconferenciam istius primi circuli mone
bitur centrum deferentis augem transit equantem et cum centrum
mercurii ab oriente in occidentem tantum quantum sol percurrit contra
firmamentum motu proprio et durat secundum augem deferentis. Et tamen
in quanto tempore sol pertransit firmamentum in tanto tempore auge ecentri
et quilibet punctus ecentri deferentis augem pertransit equantem
et etiam centrum ecentri signum circa circumferenciam. Et natura
eiusdem contingit quod centrum deferentis et centrum equantis sunt idem centrum.
Et natura eius duobus circuli circa unum circulum. Et patet quod quam in illo
instanti propinquior est deferens firmamento, circa equantem. Movetur
autem ita deferens planeta ut in temporibus equalibus equales angulos
describit in super centro equantis. Equans vero immobilis est in quantum
a motu vocatur proprio. Epiciclus autem mercurii movetur per circumferenciam
sui ecentri deferentis ab occidente in orientem contra ita ut sol
ut apparet, quod secundum centrum epicicli lune bis in mense circuit
circumferenciam sui ecentri, ita centrum epicicli mercurii bis pertransit circum
ferenciam sui ecentri in anno una vice motu proprio alia vice motu
augis. Iste autem epiciclus mercurii quadmodo epicicli aliorum habet duos
motus scilicet medium et verum. Medius trahitur per lineam exeuntem a centro terre
distantem linee exeunti a centro equantis per centrum epicicli. Et iste medius
motus est idem cum medio motu solis. Et propter iste tres linee equaliter
distant, scilicet linea exiens a centro ecentrici solis per centrum solis, et linea
a centro equantis ecentrici mercurii per centrum sui epicicli, et linea
exiens a centro terre equaliter distant a predictis duabus. Eo iste linee equaliter
moveantur, sed tamen equaliter distantes a se in omnibus in diversis tamen
temporibus linee una et eadem, que due erunt eadem. Et non oportet quod
linea per centrum epicicli et centrum solis sit in eodem loco, et per lineam
exiens existente a centro equantis per centrum epicicli. Verum autem
iste autem motus vel locus epicicli trahitur per lineam exeuntem
a centro terre ad zodiacum per centrum epicicli. Convenit autem centrum
epicicli et auge ecentri in circuitus partes secundum dictum est. Quoniam
partes eque cito in tempore et eque cito secundum sol medio motu. Ecentri
vero epicicli mercurii et auge ecentri et quilibet punctus deferentis
ecentri sicut in temporibus equalibus equales angulos describunt super
centrum equantis, et eque cito etiam centrum deferentis movetur in circum
ferencia et in temporibus equalibus equales describunt arcus contra
in equales in equante describit. Eo quod pertransit equantem

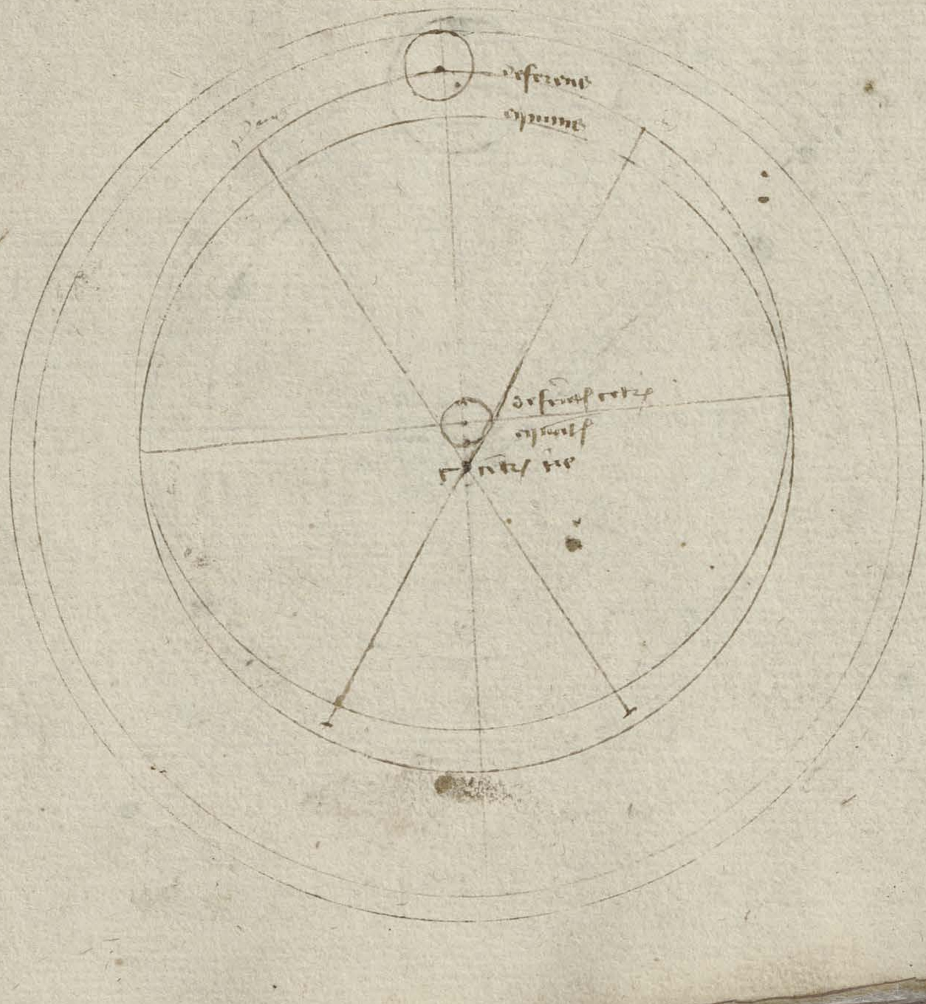
quod pertransit a centro ecentri per totum sol sicut eodem, eo linea exeunte a centro per totum
equali

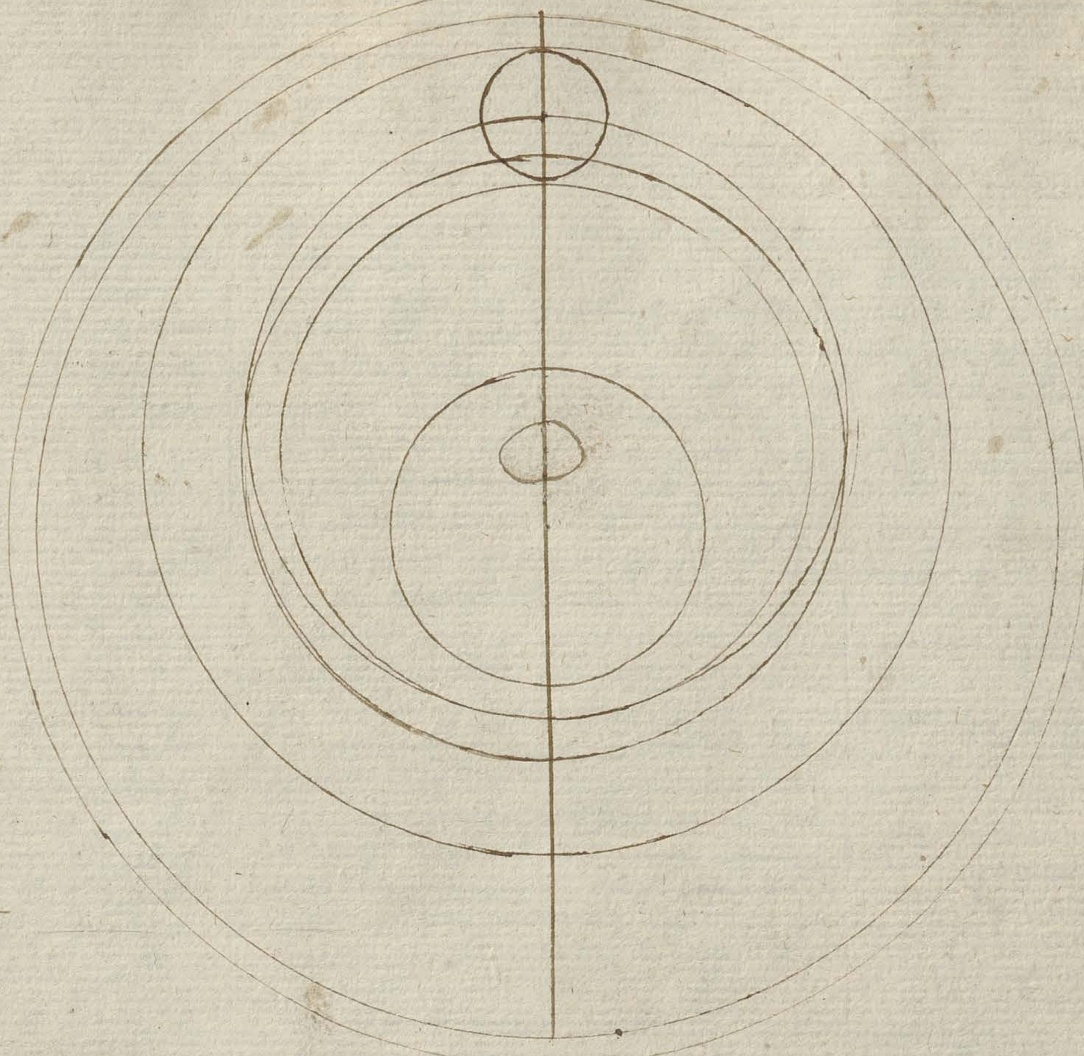
[illegible]

partem equantis sui proprii circuli non peruenit contra partem equantis
¶ Ex iam dictis etiam possunt ostendi quod aux deferentis in-
-terdum non potest esse in quolibet puncto equantis cum linee
exeuntes a centro terre per centrum deferentis que ostendit augem
deferentis quod cadit in arcu equantis comprehenso a duabus lineis
contingentibus proprium circulum super quo mouetur centrum deferentis et transeun-
-tibus per centrum terre Unde apparet augem deferentis solum inter istum
arcum sit comprehensum accedere et nunc accedit nunc recedit augem de-
ferentis respectu augis equantis et hoc ab utraque parte augis equantis
ymo Et quamuis aux deferentis non possit esse nisi in toto arcu predicto
puncto tamen quod est nunc aux potest esse in quolibet puncto equantis predicto
cum et hoc contingit ideo quia aux excentrici deferentis mota contradicte
et cum aux deferentis recedit ab auge equantis versus occidentem
tunc secundo ista circulorum scilicet deferentis et equantis que est proprie ... augem
equantis in successione signorum accedit ad augem equantis Et
secundo secundo recedit econtrario contingit accedente auge deferentis ad
augem equantis versus orientem Dicimus vero centrum epicicli incipit
cum auge deferentis tunc aux equantis deferentis est in auge
equantis ... tunc centrum equantis et centrum deferentis et
augis et oppositum augis et centrum epicicli sunt in una diametro
medio et cum centrum epicicli est in opposito augis deferentis ... fuerat aux
... fuerat in auge equantis per effectum oppositum augis tunc linea sunt in
eadem diametro et tunc ambo excentrici sunt unus excentricus ¶ ... est
iam dictis quod quamuis centrum epicicli ... sint deferentes ...
non tamen est in auge ... et dum centrum epicicli est in ... medio
sui equantis centrum excentrici erit in medio sui proprii circuli supra
illum medium equantis quod est supra centrum ¶ Et cum centrum epicicli est in auge
... tunc est in puncto deferentis quod maxime potest remota a terra Et
potest esse in puncto maxime remota a terra Sed non potest esse in puncto
deferentis maxime accedente ad terram ... est in opposito augis equantis
tunc ambo circuli sunt unus circulus et tunc est centrum epicicli in opposito
augis Duo sunt loca in quibus centrum epicicli maxime accedit ad centrum
terre et in aliis locis non potest tantum accedere Illa vero duo loca sunt puncta
prope oppositum augis ... tangencia lineas contingentes proprium circulum super
que mouetur centrum deferentis et incipit ire versus occidentem ... suo
... transitione centrum terre Cum igitur centrum epicicli est in auge statim
incipit ire versus orientem in suo deferente Et simul centrum deferentis
incipit ire versus occidentem in suo proprio circulo Et cum centrum epicicli
est in capite linee contingentis quod tangit ... prope oppositum augis equantis
tunc centrum deferentis est in puncto contactus proprii circuli cum ipsa linea
Et tunc est aux deferentis in maxima remotione ab auge equantis et tunc ...

[illegible]

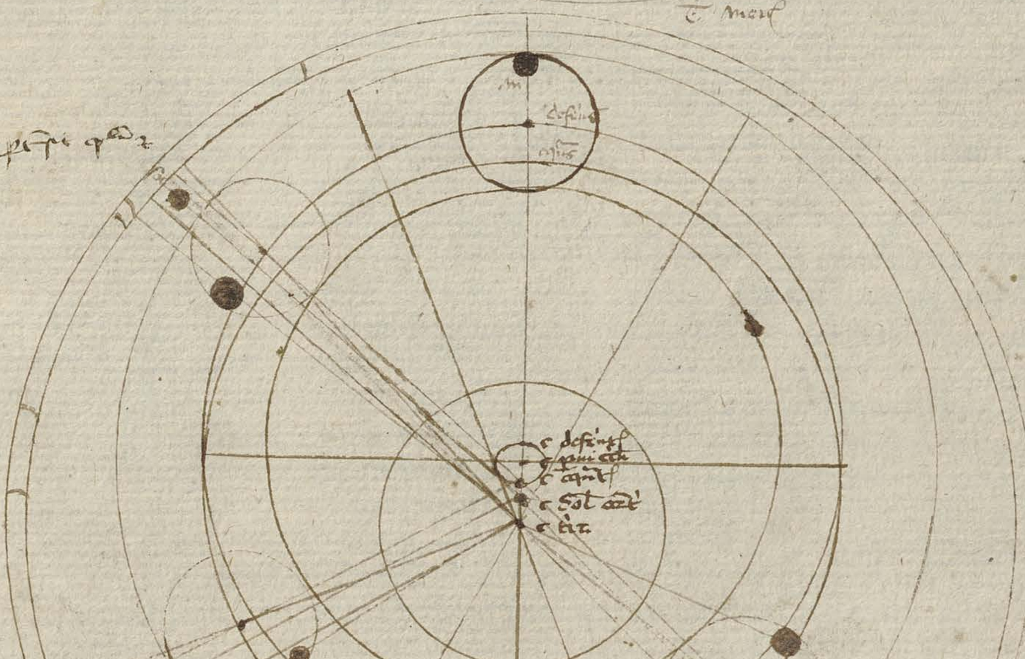

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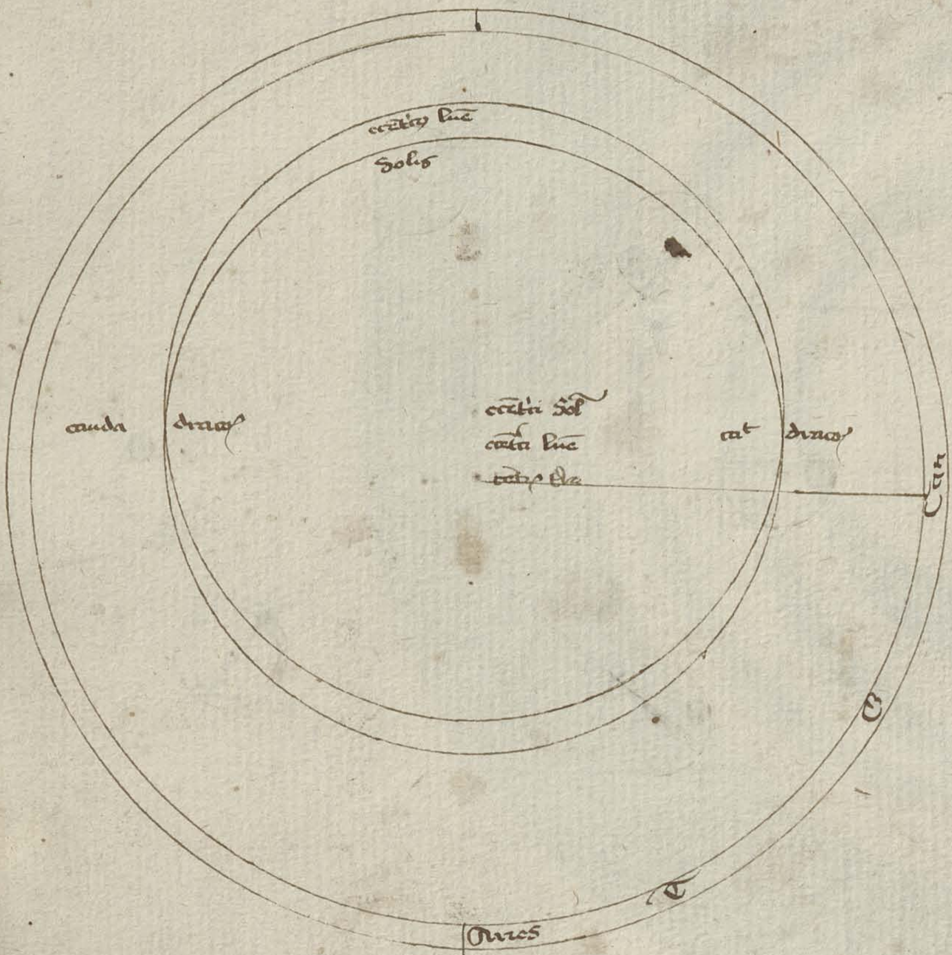

deferens
equans

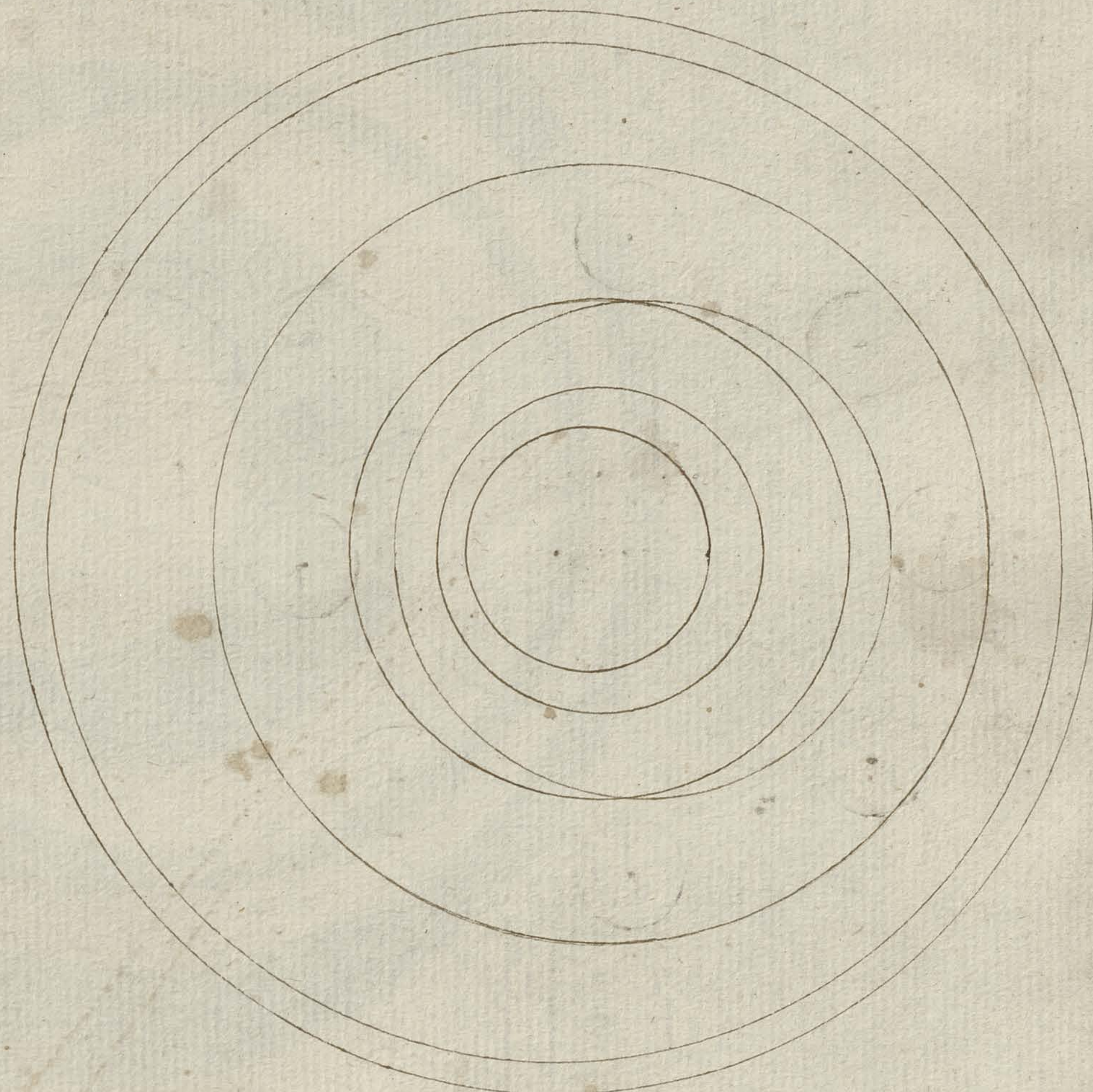


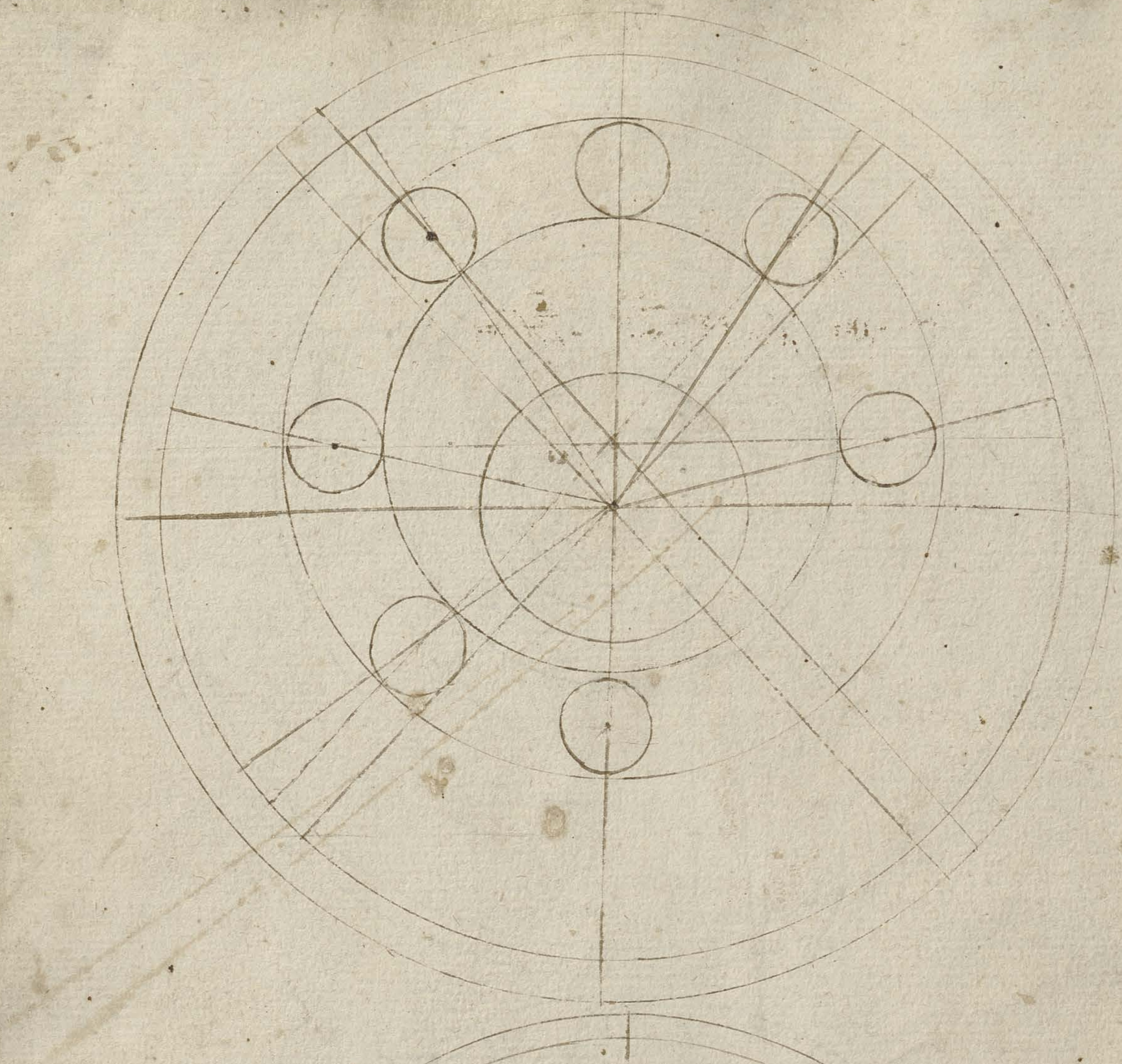
T. merc

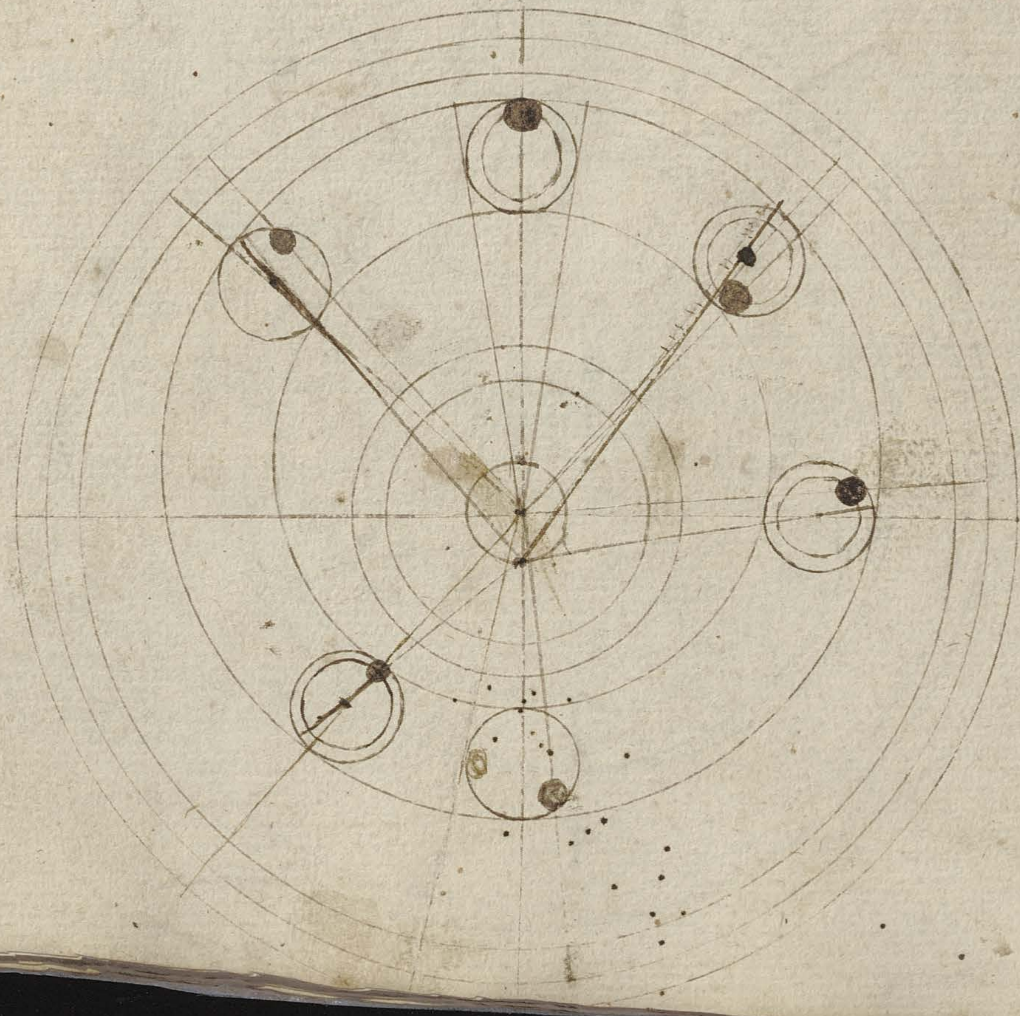
[illegible]
[illegible]




centrum lune
Solis
cauda
draconis
centrum Solis
centrum lune
caput
draconis
Aries







[illegible]

est centrum epicicli in opposito augis deferentis quia tunc est in minori
appropinquatione ad terram quia tunc centrum deferentis descendit plus versus
terram plus et plus remanet oppositum augis deferentis a centro terre / quod
facile apparebit inspicienti figuram sequentem et intelligenti motus eorum

[illegible]

76



[illegible]

Et quadrans [?] est centrum epicicli in isto arcu deferentis qui est inter duo puncta vel capita huius linearum contingentium, que capita sunt propinqua opposito augis equantis, semper est in opposito augis deferentis. Et quod hoc sequitur quod quanto erit epiciclus in una parte tanto erit centrum deferentis in alia parte. igitur semper erunt in eadem linea transeunte per centrum terre et per centrum deferentis. Et tunc magis appropinquat centrum epicicli tantum centrum terre quanto appropinquat a capitibus linearum contingentium. Medios autem motus mercurii et veneris et medium centrum verum et verum medium argumentum. et verum et equacio centri centri in zodiaco secundum epiciclum et in epiciclo et aux media vera et equacio argumenti et omnia ista sic describuntur in mercurio et venere sicud in tribus superioribus. Equaciones argumenti mercurii crescunt ut in tabulis sunt equaciones ac si semper fuisset centrum epicicli in intersectione tribus superioribus centrum epicicli appropinquante terre equaciones vero que scribuntur in tabulis sunt equaciones ac si semper fuisset centrum epicicli in intersectione circuli equantis cum deferente cum enim centrum epicicli est in auge stati movetur versus orientem et est secundum illa que est ante supra monte adusque [?] quere contingit. Et equaciones argumenti que ibi contingunt sunt continue continue scripte in tabula. Similiter contingeret in alia intersectione. Centrum epicicli existente in aliis locis deferentis et tunc sunt equaciones argumenti per minuta proporcionabilia quere oportet quod sic tamen sint parva minutorum proporcionalia secundum ad longitudinem longiorem et est excessus linee exeuntis a centro terre ad centrum epicicli ipso existente in auge deferentis ad lineam exeuntem a centro terre ad intersectionem circulorum excessus dicto diminuto ad sexagesima a centro terre ad longitudinem propiorem quando sunt excessus partes et minuta proporcionalia ad longitudinem propiorem ad lineas contingentes et linee exeuntes a centro terre ad intersectiones et in ... maxima appropinquacione centri epicicli ad centrum terre et itaque ab eadem loco usque ad oppositum augis equantis cum sit linea longior exeuns que multa minuta proporcionabilia et diversitas diametri circuli brevis duplex est describenda sicud in tribus superioribus.

Venus vero habet deferentem et equatorem dispositos sicud tres superiores et in eodem loco lenta in quo centrum solis et centrum epicicli sunt ita cito movetur sicud sol equare medium motus solis est medius motus epicicli tam mercurii et veneris eo quod linee exeuntes a centro terre et distant secundum duas lineas quarum una exit a centro ecentrici solis et alia exit a centro equantis per centrum epicicli deferentis per centrum solis et equantis immobiles sunt nisi quantum ad motum octave spere preter hoc quod deferens movetur in latitudinem ad meridiem et septentrionem ita ut cum sunt augis deferens et equans in eadem superficie plana scilicet ecliptica declinat secundum lineam versus polum declinat deferens et de hoc motu dicemus in latitudinibus contra omnia de venere plana sunt tribus superioribus.

Sequitur de retrogradacione planetarum. planeta autem dicitur directus quando motus eius minuat motum epicicli contra firmamentum retrogradus dicitur planeta quando motus eius non minuat motum

[illegible]

[illegible]

epicicli [illegible] plus impedit [illegible] planeta moveretur pro motu
Statio prima dicitur punctus epicicli in quo incipit retrogradari planeta
Secunda statio dicitur punctus epicicli in quo incipit dirigi et ita nobilior
statio per lineam veram non dicitur ista [illegible] accidentia habere [illegible] habet
ante epiciclum [illegible] semper [illegible] epicicli [illegible] linea dicitur
in superiori parte sui epicicli tardi cursus inferiori vero velox cursus
Statio prima in [illegible] secunda [illegible] epicicli cadens inter augem veram
epicicli et punctum stationis prime in parte [illegible] Statio secunda in
[illegible] epicicli [illegible] augem veram epicicli et punctum
stationis [illegible] in [illegible] fine [illegible] dicto [illegible] stationem [illegible]
[illegible] epicicli cadens inter primam stationem et secundam
[illegible] augem epicicli et suo [illegible]
[illegible] et ille [illegible] stationem [illegible] epicicli accedit vel
recedit ad centrum [illegible] stationem et si [illegible]
[illegible] a tota [illegible] remanet secunda statio [illegible] tantum [illegible] a b c
[illegible] medius motus eius planete [illegible]
in tabulis sic accipit [illegible] radicem in annis collectis [illegible]
accipe medium [illegible] in annis expansis [illegible] in [illegible]
in annis collectis et anno [illegible] de radice
si [illegible] potest non addit radici una revolutione [illegible] signorum et
[illegible] medius motus planete [illegible] media [illegible] dicitur
medios motus veros [illegible] visibilis [illegible] visibiles et hic [illegible]
[illegible] gradus et minuta [illegible]
[illegible] duodecim partes diametri corporis lunaris vel solaris
digiti eclipsis dicuntur minuta casus [illegible] luna [illegible] eclipsis
[illegible] dicuntur [illegible] si non obscurat totam lunam vel [illegible] ad punctum
usque ad medium sui si tota obscurabit et in sole sunt minuta [illegible]
totales obscurationis [illegible] usque ad medium obscurationis et [illegible]
[illegible] obscurationis usque ad medium [illegible]
[illegible] minuta dimidii [illegible] eclipsis [illegible] in una [illegible]
[illegible] in [illegible] tempore [illegible] puncta residua
dicuntur partes residue diametri epicicli [illegible] usque ad [illegible]
lune minuta [illegible] in lineis tabularum eclipsium [illegible]
latitudinem [illegible] vel latitudines [illegible]
[illegible] minores [illegible] maiores [illegible]
[illegible] alii planete dicuntur solis et
[illegible] maiores et minores [illegible] maiores [illegible] minores
et [illegible] maiores [illegible] ad medios [illegible] planete dicuntur tardi [illegible]
[illegible] ad minores [illegible] ad medios [illegible]
[illegible] retrogradi velocis [illegible] dicuntur [illegible] dicti
[illegible] planete dicuntur
[illegible] minuti [illegible] dicuntur [illegible]
lune dicuntur [illegible] recedit a sole vel sol ab eis [illegible] vel lune dicuntur
[illegible] accedit ad solem vel sol ad eos [illegible] planetarum et [illegible] et
[illegible]

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[illegible]

oppositiones planetarum et signorum declaret illa conditione, quod semper [illegible] sit in corpore solis, qui est nobilior planetarum et ab ariete qui nobilius signum, et a media die que est nobilior pars diei, et sedem suam [illegible] qui in medio mundi consistit.

Latitudo planete dicitur distancia corporis a via solis. Declinacio planete dicitur distancia corporis ab equinoctiali. Patet igitur quod sol non habet latitudinem sed solum declinacionem. Pro declinacione accipimus in sole per distanciam centri solis a linea [illegible] quod [illegible] fit in [illegible] solis ad equinoctialem, i. capitulo ostendit latitudinem vero lune accipimus per distanciam corporis lune ab [illegible] quod fit [illegible] lune [illegible] solis, i. accipite diversitatem; et si accipis declinacionem [illegible] signorum in quo est luna, et in eadem hora accipis latitudinem lune ab orbe signorum seu a via solis, si fuerint ambe latitudines et declinacio [illegible] septentrionales vel meridionales [illegible] et [illegible] declinacio lune ab equinoctiali, et si [illegible] [illegible] si fuerint diverse subtrahas [illegible] a [illegible] et [illegible] planete i. verum [illegible] nota [illegible] lune sed [illegible] distat a via solis et epicicli [illegible] centro quam [illegible] via latitudinis aut quinque planete habent duas latitudines, unam qua epiciclus distat ab ecentro, aliam [illegible] ecentro quantum distat a via solis. Et per talem binarium i. verum latitudo [illegible] epicicli et per talem [illegible] latitudo in ecentro [illegible] tala binarii [illegible] et tala binarii [illegible] est ad [illegible] signa ad [illegible] tala binarii est ad [illegible] planeta [illegible] signa [illegible] differunt [illegible] signus per [illegible] et quod tala [illegible] est ad centrum [illegible] ad [illegible] taria [illegible] caput et latitudo que distat in tala binarii est distancia [illegible] epicicli ad [illegible] centrum distancia dato computata [illegible] via solis que dicitur ecliptica [illegible] ecliptica solis et lune [illegible] aut epicicli ab ecentro ita quod sic erit planeta in ecliptica et centrum epicicli [illegible] epicicli in ecentro [illegible] sit a capite vel a cauda draconis tunc cum epicicli est distans a centro. [illegible] planeta est in auge epicicli tunc maxime distat planeta a via solis, quando tunc i. verum planeta maxima latitudo in tala [illegible] in intermediis quod mediocriter distat planeta mediocriter i. verum latitudo et latitudo que distat in tabula [illegible] est [illegible] distancia centri [illegible] a via solis que distancia [illegible] est parvula [illegible] et maxima [illegible] per [illegible] signa et [illegible] in tabula [illegible] latitudo [illegible] maxima aut [illegible] et a medio [illegible] [illegible] duabus latitudinibus [illegible] via [illegible] tabulas ad [illegible] sui magistri [illegible] latitudinum [illegible] quibus [illegible] ab alio, [illegible] posuit [illegible] quia si unus [illegible] ab alio per aliquam [illegible] quod patet si unus [illegible] ab alio [illegible] [illegible] et [illegible] si [illegible] per [illegible]

[illegible]

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ac si ss'betis duo ag'r / et hec divisit vna latitudo p[er] alia / Cu[m] v[er]o ecliptica [illegible] in
medio h[ui]us [illegible] sit latitudo cert[a] [illegible] cu[m] ductus eclipt[ic]e certo et [illegible]
ecliptica est via solis [illegible] q[uia] nu[n]q[uam] qui sunt i[n] vna tabula nec sunt in [illegible]
tabula inventi i[n] vtraq[ue] maior latitudo 6 g[ra]dib[us] et sic alia planeta [illegible] zodiacu[m]
cu[m] p[er] [illegible] vni[us] [illegible] latitudo [illegible] / Et sic debe[n]t [illegible] p[er] tabulas
latitudinu[m] [illegible] sz i[n] veniat [illegible] sit [illegible] vel ad eu[m] loca [illegible] / Et
q[uia] [illegible] dictas latitudines [illegible] sedes eclipti / [illegible] a via solis / et si
[illegible] [illegible] est [illegible] zodiaci vt tota sit latitudo duos [illegible]
[illegible] est alia [illegible] / Caput aut[em] et cauda [illegible]
[illegible] sunt i[n] [illegible] / Caput aut[em] [illegible] et [illegible] et hec alia [illegible]
[illegible] / et alia [illegible] duob[us] / Caput aut[em] et cauda [illegible]
[illegible] capitis ab [illegible] et [illegible]
loca capitis i[n] tabula [illegible] tamen distat a loco qui sit [illegible] medio motu
solis / et [illegible] ista [illegible] loca / dum [illegible] successor[um]
signo[rum] sz arietis et thauri [illegible] / medium [illegible] capitis dum [illegible] sz arietis
[illegible] / [illegible] medium [illegible] capitis [illegible] capitis [illegible] 12 sig[na] / si
[illegible] medium [illegible] a 1 2 signis [illegible] verus locus capitis [illegible]

[illegible] tabulas sup[er] [illegible] fuisse [illegible] Ptolomeus Albategni Algorismus [illegible]
[illegible] eum distat ab [illegible] g[ra]dib[us] sz [illegible] et similis [illegible]
ab eq[ui]noctiali polus distat tantu[m] [illegible] g[ra]dib[us] et [illegible]
[illegible] polus i[n] oriente [illegible] g[ra]dib[us] / Et [illegible] polos distat [illegible]
volunt [illegible] tabulas ad alia loca [illegible] medium [illegible] stellas i[n] [illegible]
[illegible] distat loca [illegible] / [illegible] vel addat [illegible]
[illegible] ad medi[um] [illegible] ascendens [illegible]
qui volunt [illegible] sole [illegible] sol i[n] linea medio[rum] et notet
loca alimuri i[n] g[ra]dib[us] [illegible] / et faciet [illegible] est
[illegible] / est [illegible] medie [illegible] ascendens [illegible]
[illegible] eclipsis [illegible] tabulas [illegible] dis-
tantia vel longitudine [illegible] p[ro]pter [illegible] loca / Et [illegible]
eclipsi[um] [illegible] altitudo i[n] [illegible] sol / et [illegible] i[n] dorso astrolabij et
altitudines [illegible] solis et notandus [illegible] alidade [illegible]
solis et [illegible] / et [illegible] solem [illegible]

[illegible] dicit moveri [illegible] g[ra]dib[us] i[n] 900 annis
et [illegible] i[n] aliis 900 annis [illegible] Ptolomeus et Albategni
dicit moveri i[n] 60 annis et [illegible] vno g[ra]du [illegible]
Alfraganus aut[em] narrat [illegible] moveri i[n] 100 annis g[ra]du vno [illegible]
[illegible] sol i[n] [illegible] qui [illegible] / sz
i[n] [illegible] / [illegible] alidada i[n] dorso astrolabij [illegible] solis
[illegible] / [illegible] sol [illegible]
/ Et [illegible] distantia [illegible] alitudines i[n] [illegible] sol [illegible]

[illegible]

[illegible] ... alter ... sol ... [illegible] ... sol ... [illegible]
[illegible] ... et ... [illegible] ... sol ... [illegible]
[illegible] ... sol ... [illegible]
[illegible] ... error et magis ... error et ... [illegible]
[illegible]

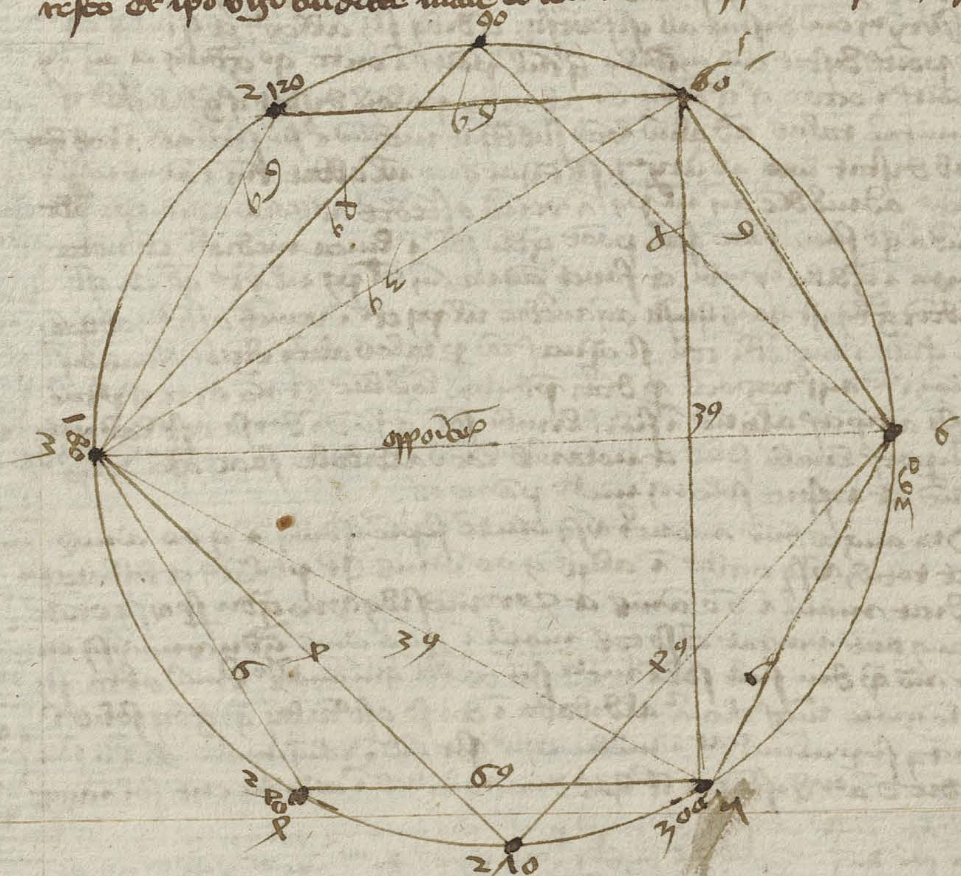
156.

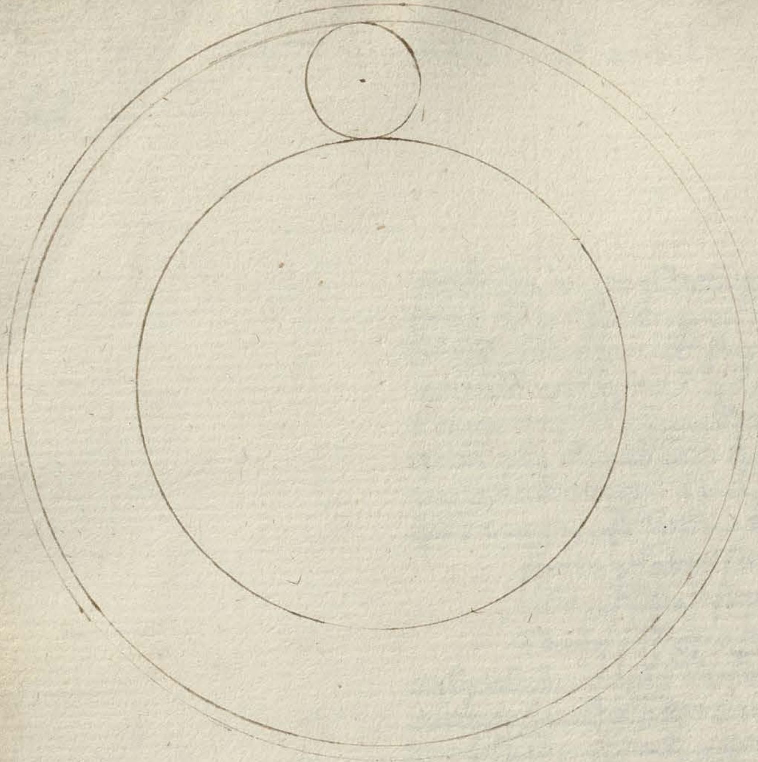
[illegible] ... sol ... [illegible] ... sol ... [illegible]

celi sui recte posita / Et quanta est distancia tanta eccentricitas solis et est
duorum graduum fere et quantum radius solis extenditur super totum super quem cadit
Si vero solis ponet super [illegible] ... et tunc est fallacia
horarum [illegible] ... in uno anno ... in meridie et quo die anni sit sol
in auge et quantum elevatur sol per allidadam Et in futuro anno [illegible] ... et ... die
quanto plus elevatur [illegible] ... in quanto aux sit mota in anno ... et ...
modo dicit albategni in [illegible] augis seu motus augium [illegible] composuit et
fecit magnus astrologus [illegible] maiores quantitates

[illegible] planetarum [illegible] ... et [illegible]
[illegible] signorum in circulo directe [illegible] capit ab [illegible]
in [illegible] planeta [illegible]
[illegible] alter et [illegible] circuli [illegible]
[illegible] circuli [illegible]
duo planete [illegible] sexta per circuli [illegible] ~~... circuli erit ...~~
[illegible] circuli erit aspectus quartus ~~... si ...~~ ... circuli erit ... seu trinus
Et si [illegible] ... planete [illegible]
Si [illegible] erit aspectus oppositus / Si plures [illegible] altri [illegible]
~~[illegible] planete [illegible]~~ Si [illegible] ... Deo gratias [illegible]
[illegible] planete [illegible] ... in [illegible] stella [illegible]

[illegible] ... Si [illegible]
[illegible] planete [illegible]





Ingrediatur tabulam quantitatis obscurationis Solis et lune et quod in directo eius invenitur de quantitate eclipsis
solis suscipe et hoc est quod obscurabitur de sole sine ulla dubitatione. Si vero vis puncta
quantitatis minuta et secunda iuxta dictum introitum accipe proportionaliter secundum eundem modum et veniet
quod queris. Exemplum huius in proposito puncta eclipsium digitorum in eclipsi solis que est duodecima
die februarii anni 1431 completi 11 18 19 intrabo cum eo [illegible] puncta
in tabula praescripta et accipiam quod stat in directo eorum punctorum scilicet 10 20 [illegible]
in uno puncto addito introitui et invenio [illegible] puncta [illegible] et
[illegible] 1 22 de quo [illegible] accipiam proportionaliter secundum proportionem [illegible]
quam excedit [illegible] puncta [illegible] proportionaliter [illegible] 22 18 20 addenda punctis
[illegible] et veniet quantitas de sole eclipsabili 10 22 18
Item vero ad disponendum figuram eclipsis Solaris necessario est scire semidiametrum Solis
visibilis et semidiametrum lune [illegible] mediante diametro Solis et lune [illegible] Semidi-
ametrum [illegible] diametri autem Solis visibilis sic poteris invenire [illegible]
[illegible] Sol in una hora tempore medie eclipsis et resolvatur in secunda [illegible] illorum [illegible]
inveniatur quota pars [illegible] et [illegible] duplicetur [illegible] et hunc duplato ad-
datur [illegible] quota pars [illegible] [illegible] dividatur per 10 et [illegible]
[illegible] dividatur [illegible] ad [illegible] resolvatur in 3a [illegible] addatur tertia
[illegible] in [illegible] Solis in una hora [illegible] 3a [illegible] dividatur per 10 et
[illegible] quod [illegible] secunda quae addi debet [illegible] [illegible] [illegible]
[illegible] [illegible] diametri visibilis solis [illegible] motus Solis
[illegible] 230 22 [illegible] 90 et
in una hora tempore medie eclipsis [illegible] 2 iste 2 30 21 [illegible] 90 et
[illegible] reducta ad eandem denominationem [illegible] 1 7 0 [illegible]
[illegible] 21 3 [illegible] in loco suo in tabula [illegible] illorum [illegible] reductorum quota
pars [illegible] 30 [illegible] duplicetur que [illegible] reducta et
duplata et [illegible] 3 0 0 [illegible] duplato addatur quota pars [illegible]
[illegible] 30 et veniet [illegible] 3 3 0 [illegible] que debet dividi
[illegible] per 10 et [illegible] veniet [illegible] 33 [illegible] vel [illegible] et 90
per 10 et in quotiente veniet tot [illegible]
3 [illegible] 21 dividatur [illegible] per 10 et in quotiente veniet tot [illegible]
2 que debet addi [illegible] et veniet diametri visibilis Solis tempore medie
[illegible] eclipsis [illegible] ista 33 2 [illegible] diametri [illegible] resultabit Semidi-
ametri visibilis Solis ista 16 32 [illegible]
[illegible] queratur diametri lune [illegible] diametri lune [illegible]
[illegible] motus lune [illegible] in una hora [illegible] eclipsis et [illegible]
[illegible] motus lune multiplicatur per 6 et a producto subtrahatur [illegible]
[illegible] dividatur per 6 et in [illegible] quotiente [illegible] que
[illegible] et [illegible] dividatur per 6 et in [illegible] quotiente [illegible]
[illegible] ad [illegible] per [illegible] et veniet diametri visibilis

lune 60 quod in proportione minuta lune in v^a hora temporis medie eclipsis dicitur 36 16
3 et pro 340 de incipit unde ad 2a 2c et 2a secunda dicuntur circuli 2 secunda
per reductionem sunt tot secunda 2 2 1 a quibus secundum proportionem per 2 a a 2 secunda
et secunda dicuntur minuta lune reducta multiplicare per se et veniet tibi 1 3 3 et
0 2 a quo subtrahatur circulus pro proportione et veniet tibi 1 3 0 2 7 et
deinde divide per se et quotiens veniet tot secunda tempore per ipsum quorum multi
ad quotiens 2 1 1 1/2 reducatur ad minuta divide per 60 et veniet diametri umbre
lune semidiametri cum medietate veniet semidiametri eius sunt ista
lune sunt ista 36 11
18 2 30 de 340 ut sit tunc
Consequenter de figura eclipsis solaris depingende volueris lineam directe protrahas
divide in plures partes equales quarum unde sit a ... medio utriusque semidiametri
sunt Solis et lune deinde capiatur de eadem linea divisa equales utriusque semidia
metri et sunt in circulo fiat circulus quem sit in medio diametri eius circulo
et equalis utriusque semidiametri sunt Solis et lune quem circuli describit duabus di
ametris ... capiatur de puncto solis unde partes sunt ... circuli medio cum
... super ... capiatur de puncto ... semidiametri Solis et fi
... et reperto de eadem linea circuli ... ad circulum Solis ... de eadem linea
circulus ad centrum ... et terminus lune in diametro
quam latitudinis visibilis lune ad initium eclipsis et terminus in eadem diametro ... ac
secundum latitudinis lune ad medium eclipsis in eadem diametro ... a
latitudinis ad finem eclipsis ... lune in diametro diametri Et lo
... lune in initio eclipsis ad circumferentiam ... circuli ... Et ...
... lune ... in circumferentia et ... aliam lineam in diametro a
... linea ... in circumferentia ... in circumferentia ...
... eclipsis ad ... et ... in circumferentia ...
arripias de ... lineam divisa ... semidiametri lune et ... lune
... circulum ... et ... linea in diametro in circumferentia ad ...
... et ad finem eclipsis et ... linea in circumferentia ...
circuli ad finem eclipsis et ... latitudinis ad medium eclipsis et ...
... ad medium eclipsis et ... figura eclipsis solaris

Nota circa eclipsim lune si volueris scire quantum obscurabitur de superficie corporis lune
cum puncta eclipsis inveneris ingrediaris tabulam equacionis quantitatis eclipsis et que in oppositum
directe inveneris puncta et ea accipe et hec erunt puncta et cetera obscurata diametri
diametro lune. Nota tamen quod ista tabula supponit eclipsim et [illegible] quia plura
puncta eclipsium habemus quam duodecim non debemus intrare tabulam istam sed supponere
supponere per quantitatem eclipsis puncta que inveneris et tunc [illegible] in eclipsi lune que
fuit vicesima tercia die septembris anni 1428

Nota ad disponendum figuram eclipsis lunaris [illegible] ut scias quantus diameter
est lune et per quantum diameter umbre in loco transitus lune diversitatum
diametri lune [illegible] est secundum [illegible] motus lune in una hora tempore medie
eclipsis que fuit vicesima tercia die septembris per quem divisa [illegible]
est ista in fractionibus 1872 et [illegible] que in [illegible] sufficit [illegible] quod dividatur
per octo et venit octava pars [illegible] ista 231 [illegible]
[illegible] medietatis diametri [illegible] motus lune multiplicatur per 6 et venit
[illegible] 11112 a quo subtrahatur illa octava pars et venit [illegible] 10881
quod productum dividatur per 6 et in quociente prodibit [illegible] 1813 et [illegible]
quod dividatur per 60 et venit diameter [illegible] lune ista 30 13 [illegible]
Ad habendum autem diametrum umbre in loco transitus lune accipiatur diameter
lune et quinta pars eius quod triplicatur diametri lune duplicatur et
[illegible] duplo addatur ea quinta pars triplicata et productum diametri umbre
in loco transitus lune supposito quod sol sit in longitudine longiori seu [illegible] quod
[illegible] [illegible] motus solis in una hora [illegible] et 23 [illegible] vel
[illegible] [illegible] sol est in [illegible] longitudine longiori vel in auge seu [illegible]
si vero motus solis [illegible] [illegible] [illegible] multum per [illegible]
et quod [illegible] procedit [illegible] si [illegible] diametri [illegible]
[illegible] subtraxeris remanebit diameter umbre equata per [illegible]
[illegible] solis quem diametrum medietatis et [illegible] semidiametrum [illegible]
in [illegible] in eclipsi lune que [illegible] vicesima tercia die septembris anni [illegible]
diametri lune [illegible] ista [illegible] 1813 [illegible] quinta pars [illegible] ista 3
6 2 [illegible] triplicata et venit [illegible] 10886 [illegible] diametri lune
duplicatur et venit [illegible] 3626 et [illegible] duplo addatur ea quinta pars [illegible]
duplicata et venit [illegible] [illegible] quod dividatur per 60 et venit diameter
[illegible] et venit [illegible] [illegible] 1 [illegible] 2 [illegible] [illegible] sol
umbre [illegible] ista 18 32 supposito quod sol sit in longitudine longiori [illegible] quod sol
[illegible] in longitudine longiori [illegible] quod in motu solis in una hora tempore medie eclipsis
[illegible] [illegible] illud [illegible] multiplicatur per 10
[illegible] [illegible] et 23 [illegible] 8 [illegible] illud [illegible] [illegible]
et venit 80 que valet 1 [illegible] 20 [illegible] quod debet subtrahi a [illegible]
diametro et venit diameter umbre in loco transitus lune 11 [illegible]
[illegible] semidiameter umbre 38 36 [illegible] eclipsis lune [illegible]
[illegible] [illegible] [illegible] lunam in [illegible] [illegible] [illegible] semi
diametri lune et umbre ~~[illegible]~~ [illegible] lineam [illegible]
medietatis [illegible] medietatis diametri [illegible] [illegible] [illegible] [illegible]

omnium que sunt. Alia quidem sunt natura, alia vero propter alias causas. Natura quidem sunt animalia et partes ipsorum et plante et simplicia corporum ut terra, ignis, aer et aqua. Hec enim et talia dicimus natura esse. Omnia autem que predicta sunt differre videntur ad non natura constantia. Eorum quidem natura sunt omnia videntur in se ipsis habentia principium motus et status, hec quidem secundum locum, alia vero secundum augmentum et detrimentum, quedam autem secundum alterationem. Lectus autem et indumentum et si aliquid huiusmodi genus est, secundum quod quidem sortitur est unumquodque predicamentum et inquantum est ab arte, nullum impetum habet principium mutationis innatum, secundum autem hoc contingit ipsis lapideis aut terreis esse aut mixtis, eo habent et secundum hoc tantum. Tanquam sit natura principium alicuius et causa movendi et quiescendi in quo est primum per se et non secundum accidens. Dico autem secundum accidens, quoniam fiat utique aliquis ipse causa sanitatis cum sit medicus, sed non secundum quod sanativus medicinam habet, sed accidit eundem medicum esse et sanatum. Propter quod et dividuntur aliquando ab invicem. Similiter autem et unumquodque aliorum que fiunt, nullum enim ipsorum habet in se principium factionis, sed alia quidem in aliis et ab exterioribus ut domus et aliorum manu operatorum unumquodque, alia autem quecumque in se ipsis sed non secundum se ipsa quecumque secundum accidens causa fiunt utique ipsis. Est igitur natura quod dictum est. Naturam autem habent quecumque huiusmodi habent principium et sunt omnia hec substantia. Subiectum enim quoddam et in subiecto est natura semper. Secundum naturam autem sunt et hec et quecumque hiis insunt secundum se ut igni ferri sursum. Hoc enim natura quidem non est neque habet naturam, sed a natura et secundum naturam est. Quid igitur sit natura dictum est et quid secundum naturam et quid secundum naturam. Quoniam autem est natura temptare demonstrare ridiculum est. Manifestum enim quoniam huiusmodi multa sunt. Demonstrare autem manifesta per immanifesta non potentis est iudicare quod propter se et non propter se notum. Quod autem contingat hoc pati non immanifestum est. Sillogizabit enim utique aliquis cecus natus existens de coloribus. Quare necesse est huiusmodi de nominibus esse rationem, nichil autem intelligere.

Videtur autem natura et substantia corporum que natura sunt quibusdam primum inexistens unicuique non formatum per se ipsum, ut intelligere lecti natura lignum, statue autem es. Signum autem dicit Antiphon quoniam si aliquis lectum defodiat putredine et accipiat potentiam putrefactum ut germinet, non utique fieri lectum sed lignum, tanquam existens secundum accidens esse dispositionem secundum legem et artem, substantiam autem illam esse que permanet hec patiens continue. Si autem et unumquodque horum ad alterum idem hoc sustinuit, ut es quidem et aurum ad aquam, ossa autem et ligna ad terram, similiter autem et aliorum quodlibet, illam naturam esse et substantiam ipsorum. Propter quod hii quidem terram, alii vero ignem, alii aerem dicunt, quidam vero aquam, quidam vero quedam horum naturam dicunt, sed alii omnia hec naturam esse eorum que sunt. Quod enim aliquis eorum accepit huiusmodi, sive unum sive multa, hec et tanta dicit esse omnem substantiam, alia autem omnia passiones ipsorum, habitus et dispositiones, et horum quodlibet esse perpetuum, non enim esse mutationem ex se ipsis, alia autem fieri et corrumpi infinities. Uno quidem modo natura sic dicitur ut unicuique materia habentium in se ipsis motus principium mutationis. Alio autem modo forma et species que est secundum rationem. Sicut enim ars dicitur quod est secundum artem et artificiosum, sic natura quod secundum naturam dicitur et naturale. Neque adhuc id dicimus habere secundum artem nichil si potentia tantum est lectus, cum nondum habet speciem lecti, neque esse secundum artem. Nec in hiis que natura consistunt. Potentia enim caro aut os neque natura est. Quare alio modo natura erit utique habentium in se ipsis motus principium et species, et non separabilis existens sed secundum rationem. Quod autem ex hiis est natura quidem non est, sed a natura, ut homo. Et magis natura hec forma quam materia. Unumquodque enim tunc dicitur cum endelechia sit, et magis quam potentia. Amplius fit homo ex homine, sed non lectus ex lecto. Propter quod dicunt non figuram esse naturam sed lignum, quoniam fiet utique si germinet non lectus sed lignum. Si vero enim hec ars et forma natura. Fit enim homo ex homine. Amplius autem natura dicta sicut generatio que via est in naturam. Non enim sicut medicatio dicitur non in medicinam via sed in sanitatem. Necesse quidem est enim a medicina non in medicinam esse medicationem. Non sic autem natura se habet ad naturam, sed quod nascitur ex quodam in quoddam vadit inquantum nascitur. Quid igitur nascitur? Non ex quo sed in quod. Forma utique natura est. Sed forma et natura dupliciter dicitur, et enim privatio species quodammodo est. Si autem est privatio et contrarium circa simplicem generationem aut non, posterius considerandum est. Tractatus secundus

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[…] autem considerandum quomodo […] quo differt mathematicus a physico. Etenim
plana et solida habent physica corpora et longitudines et puncta, de quibus intendit mathematicus. Amplius
astrologia altera aut pars physicae. Si enim physici est scire quid est sol aut luna, aliquid autem eorum quae per se accidunt nullum,
inconveniens; et maxime quia videntur et dicentes de natura de figura solis et lunae dicere, et utrum figura
terra et mundus aut non. De his quidem igitur negotiatur et mathematicus, sed non inquantum physici corporis terminus et unum-
quodque; neque accidentia speculatur inquantum talibus existentibus accidunt. Unde et abstrahit; abstracta enim a
motu intelligentia sunt, et nihil differt neque fit mendacium. Latent autem et hoc facientes qui ideas dicunt;
physica enim abstrahunt, minus existentia abstractibilia quam mathematica. Fiet autem utique manifestum si quis utrorumque
temptaverit dicere terminos, et ipsorum et accidentium. Impar quidem enim erit et par et rectum et curvum, et adhuc
numerus et linea et figura sine motu; caro autem et os et homo non adhuc, sed haec sicut nasus simus, sed non ut
curvum dicuntur. Demonstrant autem et magis physica mathematicorum, ut perspectiva et armonica et
astrologia; e contrario enim quodammodo se habent ad geometriam. Geometria quidem enim de linea physica intendit, sed non inquantum
physica; perspectiva autem mathematicam quidem lineam, sed non inquantum mathematicam sed inquantum physicam. Quoniam
autem natura dupliciter, et species et materia, ut si de simitate consideremus quid est, sic considerandum; quare neque sine
materia talia neque secundum materiam. Etenim et de hoc dubitabit aliquis, quoniam duae naturae sunt, de qua physici, aut de
ea quae est ex utrisque. Sed si de ea quae ex utrisque, et de utraque; utrum eiusdem aut alterius utramque cognoscere. Ad antiquos quidem
aspicienti videbitur utique esse materiae tota. Secundum quandam non parvam partem Empedocles et Democritus speciei et
quod quid erat esse tetigerunt. Si autem ars imitatur naturam, eiusdem autem est scire speciem et materiam usque ad
aliquid, ut medici sanitatem et coleram et flegma in quibus est sanitas, similiter autem et edificatoris domus
speciem et materiam, quod lateres et ligna sunt, similiter autem et in aliis; et physice utique cognoscere utrasque naturas. Amplius
autem cuius causa et finis eiusdem, et quaecumque horum causa sunt. Natura autem finis et cuius causa est. Quorum enim continuo
motu existente est aliquis finis, hoc ultimum et cuius causa est. Unde et poeta derisorie habetur apponere:
habet finem cuius causa factus est. Vult enim non omne esse ultimum finem, sed optimum. Quoniam et faciunt artes
materiam, hae quidem simpliciter, hae vero bene operantes, et utimur tamquam propter nos omnibus existentibus. Sumus enim quodammodo et nos
finis; dupliciter enim cuius causa; dictum est autem in his quae de philosophia sunt. Duae quidem igitur sunt principantes materiae et
cognoscentes artes, quae utitur et factivarum quae architectonica. Unde et utens architectonica quodammodo. Quare
differt autem quia haec quidem speciei cognoscitiva ut praecepta et architectonica; illa autem ut factiva materiae. Gubernator
enim qualis quaedam sit species temonis cognoscit et instituit, alius autem ex quo ligno et quibus motibus erit.
In his quidem quae secundum artem nos facimus materiam propter opus, in physicis autem inest. Amplius eorum quae sunt ad aliquid
materia; alii enim speciei alia materia. Usque ad quantum igitur physicum oportet cognoscere speciem et quid est? aut quemadmodum
medicum nervum et fabrum es usque ad quid? cuius enim causa unumquodque, et circa haec quae sunt separabilia quidem species, in
materia autem. Homo enim hominem generat et sol. Quomodo autem se habeat separabile et quid sit, philosophiae primae opus est

Determinatis autem his considerandum de causis, quae et quot numero sunt. Cum enim non sciendi gratia […] determinare
est negotium, scire autem non opinamur unumquodque antequam accipiamus propter quid unumquodque, hoc
autem est accipere primam causam, manifestum quod et nobis hoc faciendum et de generatione et corruptione et de omni mutatione
physica, quatenus scientes eorum principia reducere in ipsa temptemus quaestionum unumquodque. Uno quidem igitur modo
causa dicitur ex quo fit aliquid cum insit, ut es statuae et argentum fialae et horum genera. Alio autem modo species
et exemplum; hoc autem est ratio quod quid erat esse et horum genera, ut eius quae est diapason duo ad unum et omnino numerus,
et partes quae in diffinitione. Amplius unde principium mutationis primum aut quietis, ut deliberans consilians causa
est, et pater filii, et omnino faciens facti et commutans commutati. Amplius autem quemadmodum finis; hoc
autem est cuius causa, ut ambulandi sanitas; propter quid enim ambulat? dicimus ut sanetur, et dicentes sic opinamur
[illegible]

assignare causam. Et quia materia omnino causa in entibus sunt finis ut sanitas materie et purgatio aut potiones
aut organa; omnia enim hec finis gratia sunt, differunt autem ab invicem eo quod alia quidem opera alia vero organa. Cause igitur fere
tot modis dicuntur. Contingit autem multas dictas causas et multas causas eiusdem esse non secundum accidens ut statue
et statuefactiva et es non secundum aliquid aliud sed secundum quod est statua, sed non eodem modo sed hoc quidem ut materia, illud vero ut
unde motus. Sunt autem quedam et adinvicem cause, ut laborare causa est bone habitudinis et hec laborandi, sed
non eodem modo sed hec quidem ut finis, illud vero ut principium motus. Amplius autem eadem contrariorum est; quod enim presens causa huius
est, hoc et absens causamur aliquando contrarii, ut absentia gubernatoris navis causa submersionis, cuius erat presentia
salutis. Omnes autem nunc dicte cause in quattuor incidunt modos manifestissimos. Littere enim sillabarum et materia
vasorum et ignis et huiusmodi corporum et partes totius et suppositiones conclusionis sicut ex quo cause sunt. Horum autem hec quidem
sicut subiectum ut partes, alia autem sicut quod quid erat esse, totum et compositio et species. Semen autem et medicus et consiliator
et omnino faciens omnia sunt unde principium mutationis aut status aut motus. Alia autem sicut finis et bonum aliorum; quod
enim cuius causa optimum et finis aliorum vult esse. Differat autem nichil dicere ipsum bonum aut videri bonum.
Cause autem hee et tot sunt specie.
Modi autem causarum numero quidem multi sunt, capitulatim autem et hii pauciores. Dicuntur enim cause multipliciter, et earum que eiusdem speciei prius et posterius altera altera, ut sanitatis medicus
et artifex, et diapason duplum et numerus, et semper continentia ad unumquodque. Amplius secundum accidens et horum
genera, ut statue aliter Policlitus et aliter statuefactor, quoniam accidit statuefactori Policlitum esse, et continentia
autem accidens ut si homo causa sit statue aut omnino animal. Sunt autem accidentium alia aliis longius et propius, ut si albus et
musicus causa dicatur statue. Preter autem omnes et proprie dictas et secundum accidens, alie quidem secundum potentiam dicuntur, alie
vero secundum operantes, ut edificandi domum edificator aut edificans edificator. Similiter autem dicuntur et in quibus cause
cause sunt hiis que dicta sunt, ut huius statue aut statue aut omnino ymaginis, et eris huius aut eris aut omnino mate-
rie; et in accidentibus similiter. Amplius autem complexe et hec et illa dicuntur, ut non Policlitus neque statuefactor sed Po-
liclitus statuefactor. Sed tamen omnes hee ad multitudinem quidem sex sunt, dicte autem dupliciter: aut enim ut singulare, aut ut genus, aut ut accidens, aut ut genus
accidentis, aut ut complexe hec, aut simpliciter dicta; omnes autem aut operantes aut secundum potentiam sunt. Differunt autem in tantum
quod operantes quidem et singulares simul sunt et non sunt et quorum sunt cause, ut hic medicans cum hoc quod sanatur
et hic edificator cum hoc edificato; que autem secundum potentiam non semper. Corrumpuntur enim non simul domus et edificator. Oportet autem
semper causam uniuscuiusque summam querere, sicut et in aliis, ut homo edificat quoniam edificator, edificator autem secundum edificativam;
hec autem prior causa, et sic in omnibus. Amplius autem genera quidem generum, singularia autem singularium, ut statuefactor
statue, hic autem huius; et potentias quidem possibilium, operantes autem ad operata. Quot igitur cause et quomodo
cause sunt, a nobis determinatum est.

Dicitur autem fortuna et casus causarum et multa esse et fieri propter fortunam et propter casum. Quomodo igitur in hiis causis est
fortuna et casus considerandum, et utrum idem sit fortuna et casus aut alterum, et omnino quid sit fortuna et casus.
Quidam enim et si sint aut non dubitant; nichil enim a fortuna dicunt fieri, sed omnium esse determinatam aliquam causam quecumque nos
dicimus a casu fieri aut fortuna, ut venire a fortuna in forum et invenire quem volebat quidem non autem opinabatur, huius causam esse
velle venientem emere. Similiter autem et in aliis que a casu accipere causam, quod a fortuna dicunt. Si non fortuna
erat aliquid, videtur fortuna inconveniens utique videbitur secundum veritatem, et dubitabit utique aliquis quare nequaquam antiquorum sapien-
tium causas dicentium de generatione et corruptione de fortuna nichil determinavit, sed sicut videtur neque illi opinabantur
neque esse a fortuna. Sed mirabile hoc videbitur: multa enim et fiunt et sunt a fortuna et a casu, que non
ignorantes quoniam est et referre unumquodque in aliquam causam eorum que fiunt, sicut antiquus sermo dixit destruens
fortunam, et tamen hec omnes aiunt, quedam quidem esse a fortuna, alia vero non a fortuna. Unde et quodammodo ipsis erat fa-
ciendam mentionem; at vero neque aliquid horum opinabantur esse fortunam, ut amicitiam aut litem aut ignem aut intellectum
aut aliud talium. Inconveniens igitur est sive non putaverunt esse sive putantes reliquerunt. Et hec aliquando utentes

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Verba [illegible] fortuna [illegible] [illegible]

[illegible] [illegible] non [illegible] [illegible] [illegible] [illegible] ut [illegible] mundi creatore · [illegible] sic [illegible] [illegible] [illegible] minus [illegible] [illegible] · et [illegible] [illegible] a fortuna [illegible] [illegible] plures · Dicitur autem · [illegible] [illegible] celi [illegible] [illegible] [illegible] [illegible] [illegible] casu · a casu [illegible] [illegible] voluntatem et motu diferente et [illegible] in [illegible] ordine [illegible] / [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] a fortuna [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] vno [illegible] [illegible] [illegible] · [illegible] alma [illegible] · [illegible] [illegible] · [illegible] et [illegible] [illegible] a casu [illegible] · [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] · [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] casu [illegible] · [illegible] autem [illegible] non [illegible] a fortuna · [illegible] [illegible] a fortuna et [illegible] [illegible] [illegible] [illegible] · Dicitur autem [illegible] [illegible] [illegible] [illegible] [illegible] casu fortuna [illegible] ut [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] et fortuna [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] alia [illegible] [illegible] [illegible]

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[illegible] a fortuna [illegible] a casu [illegible] a fortuna [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] argentum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ad villam [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] a fortuna [illegible] / [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] a fortuna [illegible] [illegible] [illegible] [illegible] fortuna [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] a fortuna / [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] a fortuna [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] a fortuna [illegible] [illegible] [illegible] [illegible] [illegible] argentum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] fortuna [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] fortuna [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] fortuna [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] fortuna [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] fortuna [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] fortuna [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Fortuna autem [illegible]

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[illegible] non [illegible] [illegible] sicut propter [illegible] a fortuna [illegible]. [illegible] quod [illegible] [illegible] [illegible]
[illegible] a casu a fortuna et [illegible] in [illegible] non [illegible] non [illegible] sicut propter [illegible] [illegible] videlicet [illegible]
aliquid fiant [illegible] ut [illegible] in [illegible] a fortuna [illegible] a casu [illegible]
a fortuna [illegible] fortuna [illegible] a fortuna [illegible] contingit [illegible]
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[illegible] non [illegible] non [illegible] agere voluntarie non a fortuna aliquid fieri [illegible]
[illegible] non [illegible] non [illegible] non fit a fortuna [illegible] non [illegible] infortunium non [illegible]
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[illegible] mole [illegible] mola [illegible]
[illegible] [illegible] [illegible] non [illegible]
[illegible] fiat [illegible] sustinuit [illegible] [illegible] mota [illegible]

alterius non philosophice [illegible] non in motu primum [illegible] [illegible] hic [illegible] [illegible] ad motum [illegible] non [illegible] [illegible]
primus anime [illegible] [illegible] et [illegible] [illegible] et [illegible] sic [illegible] [illegible] [illegible] [illegible] [illegible] ad [illegible] et [illegible]
[illegible] [illegible] [illegible] videtur [illegible] [illegible] ut [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] et [illegible] hic [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] hic [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] hic [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
quod sic [illegible] in philosophia in [illegible] non [illegible] [illegible] [illegible] [illegible] [illegible] hic [illegible] nat[ura] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] et natura [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] hic ad [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] pluit [illegible] non ut [illegible] augmentum [illegible] [illegible] [illegible] non [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] augmentum ad [illegible] hic fiat [illegible] [illegible] [illegible] ad [illegible] [illegible]
[illegible] in [illegible] non [illegible] pluit ut [illegible] [illegible] hic [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible]
ut [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ad [illegible] [illegible] ad [illegible]
ad [illegible] ad [illegible] [illegible] non [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible]
[illegible] hic [illegible] non [illegible] accidit [illegible] [illegible] hic fiat [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] non [illegible] [illegible] [illegible] quadam [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] aliquid [illegible] Ad [illegible] [illegible] [illegible] [illegible] [illegible] hic [illegible]
et [illegible] [illegible] [illegible] [illegible] sic [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] a fortuna [illegible] [illegible] [illegible]
a fortuna [illegible] a [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] a [illegible] [illegible] [illegible] hic et [illegible] non [illegible] [illegible] hic [illegible] a [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] ad [illegible] [illegible] [illegible] non [illegible] [illegible] [illegible] quadam [illegible] [illegible] hic [illegible] [illegible] [illegible]
[illegible] in [illegible] [illegible] non [illegible] et [illegible] [illegible] in [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] sic [illegible] natura [illegible] sic [illegible] [illegible] [illegible] [illegible] ad [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] ut [illegible] [illegible] [illegible] [illegible] non [illegible] sic [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
non [illegible] non [illegible] arte [illegible] [illegible] ad [illegible] [illegible] [illegible] natura [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
ad [illegible] [illegible] [illegible] [illegible] non non [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] et [illegible] [illegible] [illegible] [illegible] non [illegible] [illegible] in [illegible] [illegible] [illegible] arte [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] ad [illegible] [illegible] in [illegible] [illegible] [illegible] [illegible] arte in [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] ad [illegible] [illegible] et [illegible] et [illegible] [illegible] ad [illegible]
et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] et folia [illegible] [illegible] [illegible] [illegible] [illegible] non [illegible]
et hic [illegible] [illegible] [illegible] [illegible] et [illegible] folia [illegible] [illegible] et [illegible] non [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] in [illegible] [illegible] non [illegible] et [illegible] non [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
in [illegible] [illegible] [illegible] arte [illegible] [illegible] non [illegible] [illegible] et [illegible] [illegible] non [illegible] [illegible] [illegible] in
[illegible] quod [illegible] in [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] arte [illegible] non [illegible] [illegible] [illegible] [illegible]
[illegible] aliquid [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible]
et in [illegible] [illegible] [illegible] a [illegible] [illegible] non ad aliquid [illegible] et [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] aliquid [illegible] [illegible] [illegible] in [illegible] [illegible] natura [illegible] [illegible] [illegible] [illegible] [illegible]
et [illegible] non [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] hic [illegible] ad [illegible]
[illegible] [illegible] in [illegible] [illegible] [illegible] et [illegible] [illegible] et [illegible] [illegible] [illegible]
[illegible]

at 3 ꝑ hꝯ ꝯtinuit. sc aꝗ in aīalibꝫ. adhꝰ ꝯtīuat in scdꝫ sꝫ ut ꝯtiᵗ. Dio at desīit sic dicēs
q na q sꝫ z ꝑ nis. na n q sꝫ ꝯtz acc̄ita i sepis pꝯ ꝯtiᵉ motu accidut ad aliqꝫ
fina. ab vno ꝯꝯ aut no ꝯ ꝯstatu vincuz ꝯtinꝰ ꝑꝑ n in cūcto aꝗ impediat. Ct at e
ꝯtā. tꝯ ꝑꝑ sꝫ sīt viz a forᵐᵃ. ꝑꝫ dīnꝯ a forᵐᵃ veat ꝯones z balneatꝫ abcessit ia
tꝯ ꝑꝑ sꝫ vernes ꝯtinuit. no ꝑꝑ sꝫ at veat. z sꝫ ꝑ ꝯtro. forma at e ty q sꝫ ꝑ [illegible]
ꝯpadiuꝯ z ꝯꝯ diviꝯ. Si tꝯ sꝫ ꝑꝑ cā ꝑꝫ [illegible] sīat. nō ꝑ. [illegible] a forᵐᵃ z. hꝯ ꝑ sꝫ at
ꝑꝑ sīt z n aꝗ impediat. Inꝗꝯ at e no ꝯpiān ꝑꝑ aꝗ sīcī. nō vdāt mōꝯ delibā
z cū acꝯ. q no delibāꝯ. z na ꝑ ꝯꝯ in lige nāi sīna. Dꝯ viz na sīcīꝯꝯ. ꝯ ꝑ in
arte nē ꝑꝑ aliqꝫ in nāc nē. Maꝯ z at cū aꝯ medicatꝯ sīut ꝯꝯ ꝯꝯ. sꝫ q n a
ꝯplaᵗ na ꝯꝯ q ꝯꝯ cū na z ꝯꝯ. ꝑꝑ aꝗ maꝯ z. Cꝯ at ꝯꝯnātᵉ e vꝯꝯ ꝯꝯ suppōe
ꝯsit. aꝗ z semp̄ ꝯꝯ q cū ꝯpiāt ꝯ e ꝯꝯ nāc in ꝯꝯꝯꝯ ꝑ ꝯpadiuꝯ viz ꝑ aꝯ
maꝯ ꝑ ꝯꝯnatᵉ ꝯꝯstāt. ꝯꝯ ꝯtīa q dīsu sīꝯ apta nata sꝫ. aꝗ ꝑminet aꝗ ma
ꝯꝯ ꝯꝯ ꝯꝯ n ꝯ. Dꝫ hꝯ no sīna hꝯs q sīꝯ e ꝑ no hꝯ ꝑꝑ sꝫ n ꝑ ꝑꝑ maꝫ ꝑ cū abꝯꝯ
ꝯꝯ z salnādi. Dꝯ at z e aꝯ aꝯ in ꝯꝯ ꝑꝑ aꝯ ꝑ no sꝫ q ꝯꝯꝯ nāc i nā. Dꝯ
ꝑ at ꝑꝫ maꝯ ꝑ ꝑꝑ aꝗ ut ꝑꝑ aꝗ ut ꝑꝑ ꝯ sīcra ꝑ hꝯ. ꝯꝯ sꝫ sꝫ z ꝑꝑ sꝫ. Dꝫ hꝯ ꝯ ꝯꝯ
cū ꝯꝯꝯ sꝫ n sīca sꝫ. nāc ꝯꝯ ꝑ sīcra ꝯꝯ z ꝯꝯ illiꝯ. ꝯꝯ suppōe ꝯꝯ ꝯ nāc e ꝑ. no
ut sīnis ꝯ nā ꝯꝯ nāc e ꝯ at ꝯꝯ ꝯꝯ in ꝯꝯ. Est at nāc z in ꝯꝯꝯꝯ et ꝯꝯꝯꝯ
q ꝑ ꝯꝯ sīut ꝯꝯ ꝯꝯ. ꝯꝯ n ꝯꝯ sꝫ e nāc e ꝯꝯ ꝯꝯꝯꝯ ꝯꝯ ꝯꝯ sꝫ. ꝑ no ꝑ
sꝫ e ꝯ. ꝑ ꝑ sꝫ no e. nz ꝯ ꝯꝯ ꝑ ꝯꝯꝯꝯ at q sīut ꝑꝑ sꝫ ꝯꝯ. ꝑ ꝯꝯ z cū ꝯꝯ aꝗ ꝯꝯ
e ꝯ ꝑ cū aꝗ ꝯꝯ aꝗ ꝑ. Si vꝯ ꝯꝯ ꝑꝫ e ꝑ cū no sꝫ ꝯꝯꝯꝯ. ꝑꝯꝯ no ꝯꝯ. ꝑ z ꝯꝯ sīnꝯ
ꝑ z ꝯ ꝯꝯ ꝯꝯ sīt. ꝑꝯꝯ n et hꝯ no ꝯꝯꝯꝯ ꝑ ꝯꝯꝯꝯ e at ꝯꝯ ꝯꝯ n. no sꝫ ꝯꝯ
ꝑ et ꝯꝯ ꝯꝯ nāc sꝫ aꝗ ꝯꝯ aꝗ ꝯꝯ aꝗ ꝯꝯ maꝯ q e ꝑꝑ sꝫ. ut lapꝯ z ꝯꝯ ꝑ ꝑꝯꝯ
no ꝑꝑ sꝫ e sīnis. ꝑ aꝗ ꝑꝫ ma nz et ꝑꝑ sꝫ ꝯꝯ ꝯꝯ ꝑ no ꝑꝫ no ꝯ nz ꝯꝯ nz sīcra
ꝯ q ꝯ lapꝯ. ꝯ ꝯꝯ n ꝯꝯ sꝫ. nz cū e ꝑꝯꝯ sꝫ ꝯ ꝑ ꝯꝯꝯꝯ ꝯꝯꝯꝯ ꝯꝯ. Maꝯ e
e ꝯ nāc ꝯꝯ ꝯꝯ ꝑꝫ ma ꝯ. z motꝯ q ꝯꝯ z viz ꝯꝯ ꝯꝯꝯꝯ sꝫ ꝯꝯ ꝯꝯ
at q ꝯꝯ cū cū cū nē z ꝑ. no z sꝫ. et sꝫ ꝯꝯ ꝯꝯ cū. et pꝯꝯ z. aꝯꝯꝯꝯ z ꝯꝯ
ꝑ ꝑꝫ ꝯꝯꝯ q ꝑ arte ꝯꝯ ꝑ ꝯꝯ ꝯꝯ e sꝫ ꝯ sꝫ z ꝯ ꝯꝯnātᵉ z ꝯꝯ ꝯꝯ sꝫ e
z sꝫ ꝯ ꝑ ꝯꝯnāte z ꝯ. ꝑꝫ z ꝯ sꝫ ꝯꝯ aut sꝫ. et sꝫ ꝯꝯꝯꝯ at z in ꝯꝯ e nāc
ꝯꝯꝯꝯꝯ n ꝯꝯ ꝯꝯꝯꝯ ꝯꝯ ꝯꝯ sꝫ sꝫ aꝗ no et n ꝯꝯ ꝯꝯ ꝯꝯ ꝯꝯ at n ꝯꝯ

in at na pꝯꝯ sꝫ motꝯ z ꝯꝯꝯꝯ. Dꝯ z in ꝯꝯꝯꝯ q ꝯꝯ ut ma

Scia at nob ꝯ na ꝯ. ꝯ no ꝯꝯꝯꝯ ꝯ sꝫ motꝯ. nāc n e ꝯꝯꝯꝯ ꝯꝯ z
ꝯꝯꝯꝯ naz ꝯ ꝯꝯꝯꝯ n ꝯ motu ꝯꝯꝯꝯ z ꝯꝯ ꝯꝯꝯꝯ q z ꝯꝯꝯꝯ ꝯꝯ
ꝯꝯ sꝫ. Vꝯ at motꝯ ꝯ ꝯꝯꝯꝯ ꝑ infinitꝯ appetit ꝯꝯ in ꝯꝯ. vꝯ ꝯꝯꝯꝯ ꝯ
ꝯꝯ ꝯꝯ pꝯꝯ indigē nīns ꝯꝯ infinite. cū infinitꝯ ꝯꝯꝯꝯ ꝯꝯ sꝫ ꝯꝯ sꝫ
Loco z vacuo et tpe impꝯ e ꝑ motꝯ. Maꝯ ꝯꝯ e ꝯ z ꝑꝑ sꝫ. z ꝯꝯ ꝯ ꝯ ꝯꝯ
sꝫ ꝯꝯ. z vꝯ hꝯ ꝯꝯ ꝯꝯꝯꝯ z ꝯꝯꝯꝯ. ꝯꝯ ꝯꝯ ꝯꝯꝯꝯ at ꝯꝯꝯꝯ
ꝯꝯꝯꝯ ꝯꝯ ꝯꝯ z. ꝯꝯ e at ꝯꝯ ꝯ motu. Est ꝯꝯ aliꝯ ꝯꝯ z ꝯꝯ
ꝯꝯ ꝯꝯ aꝯ aꝯ hꝯ ꝑꝫ z ꝯꝯ q sꝫ ꝯꝯ sꝫ. q sꝫ aꝗ aꝯ ꝯꝯ ꝯꝯ aꝯ ꝯ
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

[illegible] (interlinear/upper marginal commentary, 6 lines)

quale vel aliorum entium praedicatorum primo / Sed cum ergo ad aliquod [illegible] quod sit perscrutandum et definiendum. Dicendum quod [illegible]
actionem et passionem / et omnis motus mobilis est et mobile a motu et mobile. Probo quod motus [illegible]
mutatur non est nisi quod mutatur aut secundum substantiam aut secundum quantitatem aut secundum qualitatem aut secundum locum, quae quidem diximus in
eo accipere praedicamentis divisa, ergo neque hoc neque quantum neque quale praedicta neque aliorum praedicatorum nullum, ergo neque motus neque
mutatio nullum est [illegible] sicut praedicta [illegible]
[illegible] ad quod non [illegible] et secundum quale [illegible] alterum [illegible] et secundum quantitatem ad
quod perfectum [illegible] secundum locum [illegible] quod [illegible] id [illegible] at [illegible]
quae ad [illegible] quod motus [illegible] Dicendum quod secundum unumquodque genus [illegible] quod
entelechia / Dicendum quod potentia / [illegible] entelechia [illegible] motus ut alterabilis [illegible]
alterabile [illegible] et augmentabile et diminuibile [illegible] augmentabile et
diminuibile [illegible] generabile et corruptibile et loco mutabile loci mutatio [illegible]
[illegible] motus [illegible] aedificabile [illegible] dicamus esse actum esse
[illegible] aedificatio [illegible] determinato medicatio volutatio et saltatio et adolescentia et
senectus [illegible] actu [illegible] non [illegible]
[illegible] entelechia / [illegible] agit et patitur [illegible] actus [illegible]
[illegible] et motus [illegible] mobile [illegible] motum [illegible]
[illegible] movens [illegible]
[illegible] mobile [illegible] entelechia [illegible] agit [illegible] motus est
[illegible] statua [illegible] entelechia [illegible]
[illegible] semper [illegible]
[illegible] entelechia motus [illegible]
[illegible] laborare [illegible] laborare [illegible] sanari [illegible]
[illegible] sanabile [illegible]
[illegible] entelechia [illegible] fit motus [illegible]
[illegible] entelechia [illegible]
[illegible] aedificabile et aedificabile actus [illegible] aedificabile aedificatio
[illegible] aedificabile actus [illegible] aedificatio [illegible] aedificabile
[illegible] aedificatio [illegible] motus [illegible] motibus
[illegible] motum
[illegible] alteritatem [illegible]
[illegible] motum [illegible]
[illegible]
[illegible]
[illegible]
[illegible] motum [illegible] motus [illegible] actus [illegible]
[illegible] actus [illegible] accipere [illegible]

[illegible] (left marginal commentary)

est quoniam imperfectum, quod cum in principio notandum est quod potentia quod in potentia quod in actu simul sunt. Horum autem neutrum videtur quod
ulterius quod per [illegible] motus alter [illegible] esse. Motus autem et movens esse [illegible] cum [illegible] motus et
motus [illegible] et [illegible] de motu habito et motivo. [illegible] agere [illegible] habet moveri [illegible] autem sit
tactu [illegible] et pati. Unde motus actus mobilis [illegible] est mobile [illegible] autem [illegible] tactu [illegible]
sit et pati. Sed autem [illegible] actu movens [illegible] quod [illegible] continua [illegible] et primum et motus [illegible]
moveat [illegible] actum [illegible] sit in ipso [illegible] forma [illegible]. Et dubitat autem [illegible] et quod est motus [illegible]
actus [illegible] non est [illegible]. Movens autem actus et non [illegible] quod non actio esse utrumque. Mobile quia
est in ipso posse. Movens autem in ipso operari vel ipso agere. Sed est actus mobilis [illegible] sit [illegible] utriusque
actus sicut per [illegible] est [illegible] unum ad duo et duo ad unum [illegible] et descendens [illegible] non sit
quod unum. Ideo autem non est [illegible]. Sed autem est inconveniens et motus. Sicut autem [illegible] notandum quod non
fortassis esse actionem actum et passionem [illegible] quod non [illegible] autem [illegible] non [illegible] quod actio [illegible]
autem passio cum ergo utrumque sit motus [illegible] alterum in aliquo sit quod cum utrumque in paciente et motu [illegible]
quod in agente sit utrumque quod actio quod in agente, passio autem in paciente est. Si autem [illegible] et hac [illegible]
esse utrumque sit [illegible] in motu [illegible] motus et [illegible] motu [illegible] autem esse movens movebitur quod [illegible]
motum non movebitur. Si autem utrumque in motu sit quod paciente et actio et passio et docere et doctrina cum duo
sint in addiscente [illegible] quod [illegible] actus utriusque non in uno [illegible] et [illegible] per duos motus [illegible]
[illegible] quod [illegible] attribuendo duo [illegible] impossibile est [illegible] unus [illegible] actus [illegible]
et duorum et aliorum [illegible] idem et unum esse actionem et [illegible] doctio et doctrina [illegible] et passio et actio
et docere cum addiscere idem et agere cum pati. [illegible] notandum est quod [illegible] distantia et agentem pati [illegible]
non alterius actum in altero esse inconveniens est [illegible] non [illegible] actus [illegible] in quo [illegible] et non [illegible] sed hoc
in hoc, non cum unum in duobus [illegible] esse [illegible] actum non [illegible] idem sed [illegible] est quod in [illegible] est
in hoc non [illegible] notandum est quod docentis addiscere non sic pati et agere idem est non [illegible] ratio esse unam
quod [illegible] esse [illegible] tantum et indumentum sed [illegible] via a thebis ad athenas et ab athenis
ad thebas [illegible] non [illegible] inconveniens [illegible] sed [illegible] idem est [illegible]
non docere et doctrinam idem et addiscere et docere idem sed non [illegible] unum distantiam [illegible] et distare hinc illuc
et illinc huc unum et idem [illegible] autem dicere est quod non doctrina non actio cum passio idem [illegible] sed [illegible] esse
quod motus [illegible] non [illegible] in hoc et quod [illegible] ab hoc actum esse [illegible] alterum [illegible] quod [illegible] motus sit et [illegible]
sed [illegible] non inconveniens est quod [illegible] alteratio [illegible] unam [illegible] quod non alteratur sed quod est
alterabile [illegible] autem [illegible] in ipso actu et passio [illegible] simpliciter [illegible] sed [illegible]
[illegible] edificationem aut medicationem [illegible] autem dicere et de aliis motibus singulis

Tractatus [illegible] Quoniam autem de natura scientia est circa magnitudines et tempus et motum quorum unumquodque necesse est aut finitum aut
infinitum esse [illegible] non omne sit finitum aut infinitum [illegible] passio aut ut punctus [illegible] fortassis [illegible]
necesse est in aliis horum esse [illegible] utique de natura [illegible] negotiantibus considerare [illegible] est aut non est [illegible] est
[illegible] signum autem quod [illegible] considerationem de ipso est [illegible] unum [illegible] tetigisse hoc physicis [illegible]
certum unum de infinito [illegible] principium [illegible] quidam Pythagorici et Plato
non per accidens alicui alteri sed per se [illegible] esse infinitum [illegible] Pythagorici et Plato [illegible] non per accidens
alicui alteri sed per se [illegible] in sensibilibus, non abstractum faciunt unum [illegible] celum infinitum [illegible] Plato
autem [illegible] esse corpus neque ideas [illegible] in sensibilibus et in illis [illegible]
[illegible]

[illegible] ... [illegible] loci ... [illegible] ... [illegible]
[illegible] ... [illegible] ... [illegible]
[illegible] ... comparatione loci alicuius [illegible]

Et ideo quod infinitum est [illegible] ... [illegible] ... [illegible] ... quod sit infinitum
[illegible] ... [illegible] ... [illegible] ... unum et [illegible] ...
[illegible] unum plus quam duo infinita magnum et parvum [illegible] ...
[illegible] ... infinito [illegible] ... [illegible] ... [illegible]
[illegible] infinita sunt [illegible] ... infinita [illegible] ... [illegible] ... [illegible]
[illegible] ... [illegible] ... infinitum esse dicitur [illegible] ... [illegible]
[illegible] ... [illegible] ... [illegible] ... finitae esse ut [illegible]
[illegible] ... [illegible] ... [illegible] ... [illegible]
[illegible] ... [illegible] ... [illegible] ... [illegible]
[illegible] ... quod sit [illegible] ... unum [illegible] ... intelligit [illegible] ...
[illegible] ... [illegible] ... [illegible] ... [illegible]
[illegible] ... [illegible] ... magnitudinem [illegible] ... [illegible]
[illegible] ... [illegible] ... [illegible] ... [illegible]
[illegible] ... [illegible] ... [illegible] ... infinito [illegible]
[illegible] ... [illegible] ... [illegible] ... [illegible]
[illegible] ... [illegible] ... [illegible] ... [illegible]
[illegible] ... [illegible] ... infinitum [illegible] ...
[illegible] ... [illegible] ... [illegible] ... [illegible]
[illegible] ... infinitum [illegible] ... infinitum [illegible] ...
[illegible] ... infinitum sit [illegible] ... infinitum [illegible] ...
[illegible] ... [illegible] ... [illegible] ... [illegible]
[illegible] ... infinitum [illegible] ... magnus [illegible] ... infinitum [illegible]
[illegible] ... infinitum [illegible] ... [illegible] ...
[illegible] ... magnitude [illegible] ... [illegible] ... infinitum [illegible]
[illegible] ... [illegible] ... [illegible] ... infinito [illegible] ...
[illegible] ... [illegible] ... [illegible] ... [illegible]
[illegible] ... infinitum [illegible] ... infinitum magnitudo [illegible] ...
[illegible] ... infinitum [illegible] ... infinitum [illegible] ...
[illegible] ... [illegible] ... infinitum [illegible] ...
[illegible] ... [illegible] ... [illegible] ... infinitum [illegible] ...
[illegible] ... infinitum [illegible] ... infinitum [illegible] ...
[illegible] ... [illegible] ... infinitum [illegible] ...
[illegible] ... infinitum [illegible] ... infinitum [illegible] ...
[illegible] ... infinitum [illegible] ... [illegible] ...

[illegible]

contingit ad quod est infinitum sicut quod non contingit minimum et magnitudinem ... est ... infinitum ... n. ...

necesse quod minimum et magnitudine, maximum autem est et quod non contingit infinitum esse secundum actum ... et secundum ... et

... et non ... accipere infinitum. Sed possibile infinitum ... esse et infinitum ... et ... infinitum et n.

... indivisibile est ... infinita divisibile ... infinita ... impossibile ... secundum ...

actum ... est ... infiniti infinita ... est ... infinito ... et infinitum ... possibile ...

... indivisibile, sed impossibile est ... esse infinitum ... non aliquid necesse est ... infinitum. Sed

... quod non est ... dicere ... secundum ... actum ...

... Pythagoricis dicunt ... non sunt infinita et ... Sed fortasse ... quod est ... quod ...

Sed contingit ... mathematica infinitum esse ... magnitudine ... ad ... et

... et ... non est corpus infinitum et ... sed quod ...

... non est ... Sed non est ... quod ... et non ...

infinitum ... in ... est ... separatis et infinitis ... non ... et ...

... Sed ... possibile est ... et non infinitum ... ad ...

... possibile est ... simul ... et infinitum corpus. Sed ...

... necesse est ... esse et ... infinitum ...

... ad ... in ... ut ... sit ... infinitum et ...

... in ... duplicatum ... ad ... in ... est ...

infinitum ... et ... ad ... finitum est ... est corpus non est ...

infinitum ad ... corpus ... et ... non ...

corpus esse et ... ut ... quod ... et ... semper ... non

... quod in ... sunt infinitum ... non ... ad ... non ad corruptionem ab infinito ...

... non ... ut ... quod ... ad ... quod ... est ...

... corruptionem ... ad ... aliquid esse ... sed impossibile est ad ... non

... infinitum ... non ... et ... et ... et ... quod ... est ...

... non ... et ... in ... et ...

et ... et ... ad ... contingit infinitum esse aliquid ...

... quod infinitum sit ad ... impossibile est ... infinitum sit ... esse ... unum ad ...

... ut ... ad ... et ... ut sunt ... Sed non

mutatum ... ut ... in ... non ... in ... sed ...

tangat ... non contingit corpus ... esse infinitum ... ad ... sit impossibile corpus infinitum esse ...

et ... non ... est ... ubique esse et ... ad est ... et ... ut ...

... et ... ad ... non

... impossibile est ... non ... ad ... ad alicubi ... ad alicubi sit ...

sit ... ad ... infinitum et ... corpus ... ergo

... totum ... et ... quod ergo et ... ad ... non ergo

... ad ... non ergo stabit ... ad ... et ... et ... ad ...

quod ... corpus ... est ... infinitum ... ad infinitum ... et finita ...

... quod ... esse ... non ... quod finita ... non ... infinitum est ut ...

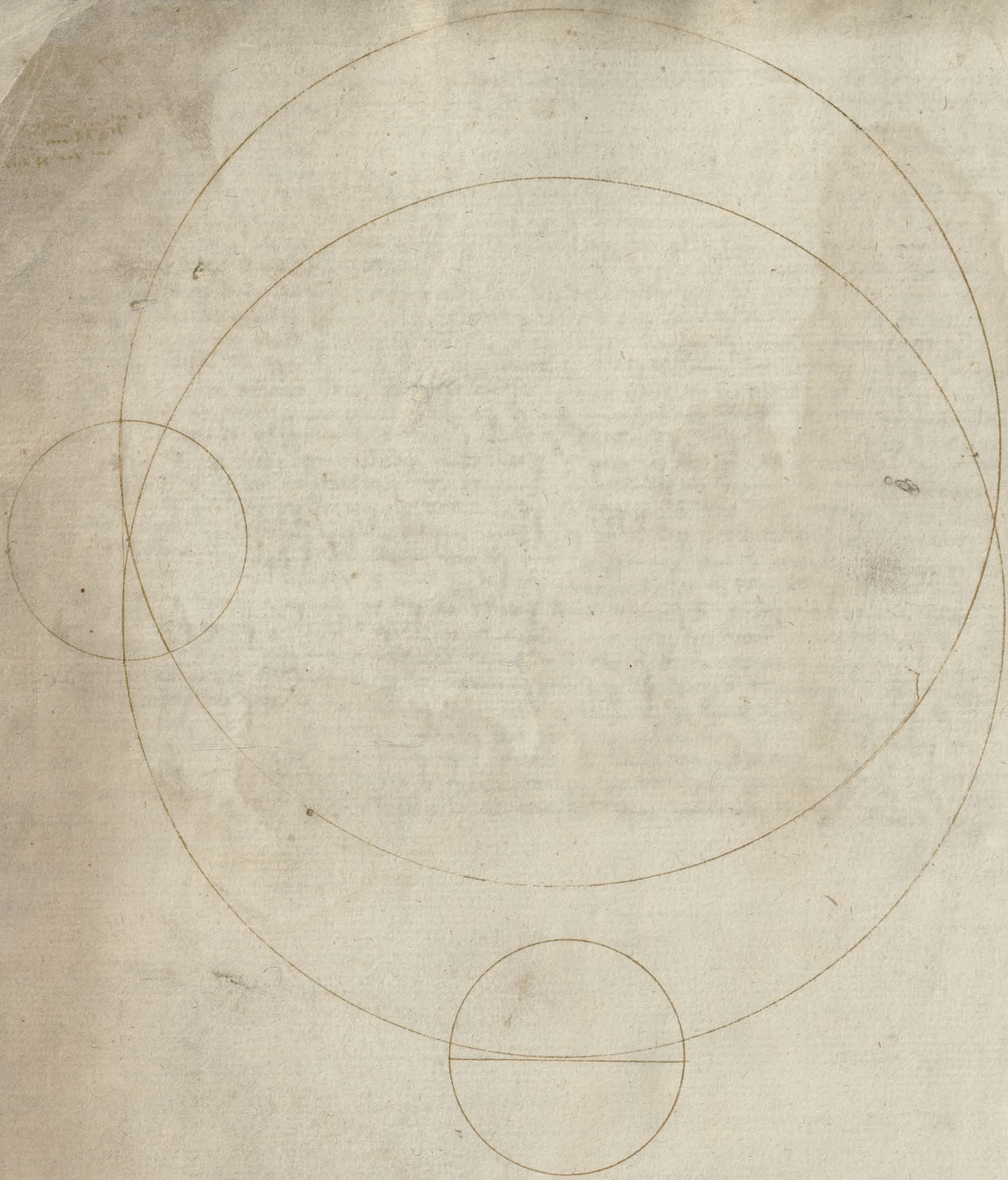
[illegible]

ad aliquod corpus aut quia tale corpus est et ideo dicimus ... [illegible] nullum unum et infinitum ignem [illegible]
[illegible] philosophorum aut omnia ad aliquod ad medium corporum et locum [illegible] [illegible]
aut sic habet ad alia sursum et deorsum / Si autem infinita et simplicia sunt et loca [illegible] et
[illegible] infinita erunt. Si autem et [illegible] impossibile est et loci finiti sunt, tota finitum [illegible]
non est non [illegible] locum et corporum cuius locus [illegible] maior est quam corpus [illegible] Sed autem
infinitum et corpus [illegible] quod locus ad medium et aliquod ad [illegible] aptum natum est esse / [illegible]
[illegible] infinita [illegible] [illegible] infinitum aut [illegible] est quod in [illegible] est
aliud [illegible] ubi [illegible] ad sit aptum natum sit esse [illegible] aut non [illegible] est et non
aliquod alicubi in [illegible] ubi aptum natum est esse [illegible] quod [illegible] non modo [illegible] quod in
[illegible] maius [illegible] et [illegible] est [illegible] est [illegible] aptum natum sit [illegible]
est non [illegible] est [illegible] et non [illegible] aliud non [illegible] aptum natum
esse / [illegible] quoniam et non [illegible] infinitum esse [illegible] / quod [illegible] a medio [illegible]
non quia non [illegible] in medio [illegible] non aptum natum est sit [illegible] videlicet
[illegible] quia [illegible] sit [illegible] sit infinitum [illegible] aut
[illegible] in medio [illegible] et infinitum [illegible] videlicet in [illegible] [illegible] infinitum est
et [illegible] / [illegible] aut [illegible] est quia et [illegible] [illegible] / [illegible]
[illegible] in [illegible] [illegible] in [illegible]
[illegible] loci [illegible] sursum
[illegible] infinita loci quia in [illegible] / [illegible] aut [illegible] est quia [illegible]
[illegible] infinitum corporum et locum quia [illegible] aut corpus [illegible] [illegible]
et [illegible] quia in medio [illegible] Si [illegible] sursum [illegible] infinitum corporum / impossibile
aut ad [illegible] ad medium [illegible] [illegible] ad [illegible] infinita et [illegible] quod
sursum [illegible] est aut deorsum ad [illegible] ad medium [illegible] corporum in loco est [illegible] aut
[illegible] sursum et deorsum et [illegible] et retro dextrorsum et sinistrorsum et non ad nos [illegible]
et [illegible] sunt / [illegible] impossibile aut infinito [illegible] / Sed aut [illegible] impossibile
est locum esse infinitum in loco aut [illegible] corporum [illegible] impossibile est infinitum esse aliquod corporum [illegible]
quod aliud est et in loco est et [illegible] impossibile est [illegible] infinitum esse [illegible] non [illegible]
et aut [illegible] aut [illegible] non [illegible] [illegible] sit et in loco quia alicubi [illegible] aut
sursum aut deorsum aut in [illegible] [illegible] locorum ad unumquodque [illegible] est / [illegible]
actu non sit corporum infinitum [illegible] est [illegible] quod aut [illegible] non sit infinitum simpliciter [illegible]
[illegible] est [illegible] et ad [illegible] et [illegible] / et magnitudo erit non [illegible]
[illegible] et [illegible] infinitum / [illegible] aut [illegible] sit [illegible] non [illegible]
et [illegible] quod sit quod est sit aut non [illegible] et ad [illegible] aliud [illegible] actu et infinitum est quia [illegible]
ad et ablatione [illegible] aut quia quod actu non sit infinitum [illegible] est [illegible] aut non est [illegible]
[illegible] in [illegible] et in [illegible] lineas / [illegible] infinitum
non [illegible] aut [illegible] [illegible] [illegible] et aut [illegible] sit et [illegible]
quod et actu [illegible] est [illegible] et [illegible] in [illegible] et aliud [illegible] sit et [illegible] est

et nunc in finis et post est tactu oppositum non plene et propter sic agone sit et nunc quod propter illo aut
et in parte magnitudinis quod insit et obiectis et in dicere magnitudinem/ dico quod non sit continuum infinitum in parte
ad et ad accipiendo et accepti partes continuum finita sed partes alterum et alterum/ [illegible] infinita non est accipere sed h
ad dicit horum a dividendo sed sed dicere et agere quod [illegible] non sed plena [illegible] continuum finita sed partes magnitudinis
et ratione infinitum sed partes continuum alterum talium sed in magnitudinibus quod primo accepto hic accidit continuum
[illegible] a et tunc corruptus sit ut non sit deficiens at dicere sed appositionis quod anno et tempori
quod continuum sed dicere infinito aut sed appositum sit [illegible] sed non quod dico vero sit appositum vero ad de
[illegible] infinita magnitudine per accipies ad detractum accipiet eadem ratione et non sed eadem
accipere magnitudine ratione accipies non transibit sit. Si vero sit augmentet [illegible] ut partes eadem
aliquis sit accipere magnitudine transibit partes id quod est infinitum immo est finito aliquid quod continuum
non continuum sit at continuum infinitum per et divisionem. Tactu aut continuum sed dicit et dicitur et agere et propter
sit sed [illegible] et non partes sed finitum et sed appositum continuum sit infinitum per continuum quod [illegible] partes sed
finitum dicitur quod ab et ei quod continuum sed dicere partes quod non aliquis [illegible] continuum accipere non [illegible]
[illegible] detractum magnitudine sed in dicere [illegible] ad detractum et et vivus/ [illegible]
et sed appositum in per [illegible] continuum [illegible] non continuum sed accipies actu infinitum sed [illegible]
[illegible] [illegible] ad ad [illegible] sed sit non [illegible] continuum infinitum [illegible] actu sit [illegible]
et quod in per [illegible] et sed appositum sed at [illegible] continuum [illegible] dicit/ [illegible] et [illegible] partes hic dico in
finita sit [illegible] et in augmento vero [illegible] et infinitum abire et ad [illegible] facies [illegible] dico ut
[illegible] non vero in in [illegible] quod sed dicere infinitum continuum [illegible] in [illegible] continuum in augmento
[illegible] dicere sit [illegible]/ [illegible] at [illegible] [illegible] infinitum [illegible] sed dicit [illegible] non [illegible] continuum
[illegible] partes [illegible] aliquis continuum [illegible] infinitum continuum/ [illegible] at continuum et [illegible] [illegible] infinitos dicit ut
[illegible] sed partes

p(ro) recomendac(i)o(n)e huius sac(r)e [illegible] [illegible] [illegible] qua sc(ri)bit [illegible] [illegible] calo [illegible] [illegible] [illegible]

[illegible]



[illegible] 33 18 [illegible] 39 30

[illegible] 13 15 29 1 18 22 8 29

[illegible] 3 33 77 7 27 14 17 12 26 31

[illegible] 34 74 77

[illegible] 1450 [illegible]



[illegible] [illegible] regl
ad [illegible] [illegible] H [illegible]
mitti sentencia et per [illegible]
[illegible] [illegible] [illegible] certa
[illegible] [illegible] falsum seu
falsando [illegible] [illegible]

[illegible]